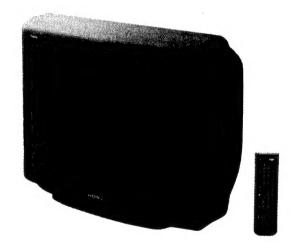
SERVICE MANUAL

AE-2 CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-S3411A	RM-832	Italian	SCC-F18K-A	KV-S3413E	RM-832	Spanish	SCC-F33K-A
KV-S3411B	RM-832	French	SCC-F32K-A	KV-53411K	RM-832	OIRT	SCC-F72K-A
KV-S3411D	RM-832	AEP	SCC-F26 K-A	KV-S3412U	RM-832	UK	SCC-F25J-A







ITEM	MODEL	Television system	Stereo system	Channnel coverage	Color system
Italian		B/G/H, D/K	GERMAN Stereo	ITALIA VHF:A-H2 (C) UHF:21-69 PAL B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC 4.43, NTSC 3.58 (VIDEO IN)
French		B/G/H, D/K L, I	GERMAN Stereo	L VHF:F02-F10 UHF:F21-F60 CABLE:B-Q B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H2 (C) UHF:21-69 D/K VHF:R01-R12 UHF:R21-R69 I UHF:B21-B69	PAL, SECAM NTSC 4.43, NTSC 3.58 (VIDEO IN)
AEP		B/G/H, D/K	GERMAN Stereo	PAL B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H2 (C) UHF:21-69 D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC 4.43, NTSC 3.58 (VIDEO IN)
Spanish	1	B/G/H, D/K	GERMAN/NICAM Stereo	PAL B/G VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 CABLE TV (2):S01-S05, M1-M10, U1-U10 ITALIA VHF:A-H2 (C) UHF:21-69 D/K VHF:R01-R12 UHF:R21-R69	PAL, SECAM NTSC 4.43, NTSC 3.58 (VIDEO IN)
OIRT		B/G/H, D/K	GERMAN Stereo	B/G/H VHF:E2-E12 UHF:E21-E69 CABLE TV (1):S1-S41 D/K VHF:R1-R12 UHF:R21-R60	PAL, SECAM NTSC 4.43, NTSC 3.58 (VIDEO IN)
UK		I	NICAM Stereo	UHF:B21-B69	PAL SECAM, NTSC 4.43 NTSC 3.58 (VIDEO IN)

MODEL	Italian	French	AEP	Spanish	OIRT	UK
Power consumption	130Wh	136Wh	150Wh	154Wh	136Wh	228Wh

SPECIFICATIONS

☼ 1 21-pin Euro connector (CENELEC standard)

- inputs for audio and video signals

- inputs for RGB

- outputs of TV video and audio signals

⊕ 2/⊕ 2 21-pin Euri connector

- inputs for audio and video signals

- inputs for S video

outputs for audio and video signals (selectable)

⊕ 4/⊕ 21-pin Euro connector

- inputs for audio and video signals

- inputs for S video

- outputs for audio and video signals (monitor out)

到 2, /到 4 S video inputs

- 4-pin DIN

⊕ Audio inputs (L, R) phono jacks

S video output-4pin DIN

Audio outputs - phono jacks

Audio outputs (variable) - phono jacks External speaker terminals: 2-pin DIN

[FRONT]

€3 Video input - phono jack Audio inputs - phono jacks 3 S video input 4-pin DIN

Sound output

2 × 15 (RMS)

2 × 35 (Music)

Power regirement

220-240V

Dimensions

Approx. $813 \times 648 \times 596$ mm

Weight

Approx. 79kg

Supplied accessories

RM-832 Remote Commander(1)

IEC designation R6 batteries(2)

Other features

NICAM, FASTTEXT

[RM-832]

Remote control system infrared control

Power requirements

3V dc

2 batteries IEC designation

R6 (size AA)

Dimentions

Approx. $65 \times 222 \times 21 \text{ mm (w/h/d)}$

Weight

Approx. 157kg

(Not including Batteries)

Design and specifications are subject to change without notice.

	KV- S3411A	KV- S3411B	KV- S3411D	KV- S3413E	KV- S3411K	KV- S3412U
Pal Comb	ON	ON	ON	ON	ON	ON
PiP	ON	ON	ON	ON	ON	ON
RGB Priority	ON	OFF	ON	ON	ON	ON
Woofer Box	OFF	OFF	OFF	OFF	OFF	OFF
Scart 1	ON	ON	ON	ON	ON	ON
Scart 2	ON	ON	ON	ON	ON	ON
Front In (3)	ON	ON	ON	ON	ON	ON
Scart 4	ON	ON	ON	ON	ON	ON
Dyn. Convergence	ON	ON	ON	ON	ON	ON
Projector	OFF	OFF	OFF	OFF	OFF	OFF
AKB in 16:9 mode	ON	ON	ON	ON	ON	ON
Norm B/G	ON	ON	ON	ON	ON	OFF
Norm 1	OFF	ON	OFF	OFF	OFF	ON
Norm D/K	ON	ON	ON	ON	ON	OFF
Norm AUS	OFF	OFF	OFF	OFF	OFF	OFF
Norm L	OFF	ON	OFF	OFF	OFF	OFF
Norm SAT	OFF	OFF	OFF	OFF	OFF	OFF
Norm M	OFF	OFF	OFF	OFF	OFF	OFF
Language Preset	Italiano	Francais	Deutsch	Espanol	English	English

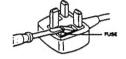
WARNING KV-S3412U only

The flexible mains lead is supplied to connected a B.S. 1363 fused plug having a fuse of 5 amp capacity. Should the fuse need to be replaced, use a 5 AMP FUSE approved by ASTA to BS 1362, ie carries the mark.

If the plug supplied with this appliance is not suitable for your socket outlets in your home, it should be cut off and an appropriate plug fitted.

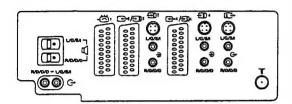
The plug severed from the mains lead must be destroyed as a plug with bared wires is dangerous if engaged in a live socket outlet.

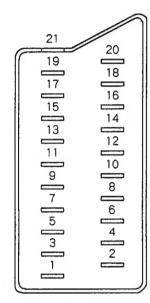
When an alternative type of plug ist used it should be fitted with a 5 AMP FUSE, otherwise the circuit should be protected by a 5 AMP FUSE at the distribution board.



How to replace the fuse Open the fuse compartment with the blade screwdriver, and replace the fuse.

21 pin connector (☐ 1 → 2/→ 4)





Pin No	1	2	4	Signal	Signal level	
1	0	0	0	Audio output B (right)	Standard level: 0.5Vrms Output impedance: Less than 1kohm *	
2	0	0	0	Audio input B (right)	Standard level: 0.5Vrms Input impedance: More than 10kohms *	
3	0	0	0	Audio output A (left)	Standard level: 0.5Vrms Output impedance: Less than 1kohm *	
4	0	0	0	Ground (audio)		
5	0	0	0	Ground (blue)		
6	0	0	0	Audio input A (left)	Standard level; 0.5Vrms Input impedance; More than 10kchms *	
7	0	•	•	Blue input	0.7 ± 3dB, 75ohms, positive	
8	0	0	0	Function select (AV control)	High state (9.5 - 12V): Part mode Low state (0 - 2V): TV mode Input impedance: More than 10kohms Input capacitance: Less than 2nF	
9	0	0	0	Ground (green)		
10	0	0	0	Open		
11	0	•	•	Green	Green signal: 0.7V ± 3dB, 75ohms, positive	
12	0	0	0	Open		
13	0	0	0	Ground (red)		
14	0	0	0	Ground (blanking)		
	0	-	-	Red input	0.7V ± 3dB, 75ohms, positive	
15	-	0	0	(S signal) croma input	0.3V ± 3dB, 75ohms, positive	
16	0	•	•	Blanking input (Ys signal)	High state (1 - 3V) Low state (0 - 0.4V) Input impedance; 75ohms	
17	0	0	0	Ground (video output)		
18	0	0	0	Ground (video input)		
19	0	0	0	Video output	IV ± 3dB, 75ohms, positive Sync : 0.3V (- 3, +	
	0	-	-	Video input	1∨ ± 3dB, 75ohms, positive Sync : 0.3∨ (-3, +	
20	-	0	0	Video Input/Y (S signal)	$1V \pm 3$ dB, 75ohms, positive Sync : 0.3V (-3, + 10dB)	
21	0	0	0	Common ground (plug	shield)	

O Connected • unconnected (open) * at 20Hz - 20kHz

4 Pin connector (19)

Pin No	Signal	Signal level
1	Ground	
2	Ground	
3	Y (S signal) input	$1V \pm 3dB$ 75ohm, positive Sync $0.3V_{+10}^{-3} dE$
4	C (S signal) input	0.3V ± 3dB 75ohm, positive



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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CON-

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CON NECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK A ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND, IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE A SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUEPOUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1 GENERAL

1-1. OVERVIEW

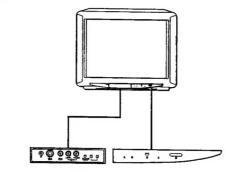
The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remein as in the manual.

This section briefly describes the buttons and controls on the TV set and on the Remote Commander. For more information, refer to the pages given next to each description.

TV set-front

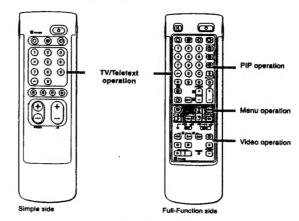


6



Symbol	Name	Refer to page
0	Main power switch	14
Ф	Standby Indicator	14
A-CD-B	Stereo A/B indicators	16
Ω	Headphones jack	22
⊕ 3, ⊕3, ⊕3,	Input jacks (S video/video/audio)	22
P→ ∠ →•	Function selector (Programme/volume/input)	15
-/ +	Adjustment buttons for function selector	15

Remote commander RM-832



TV/Teletext operation

Note The SAT button does not operate with this TV.

Symbol	Name	Refer to page
≪	Muting on/off button	15
Ф	Standby button	14
0	TV power on/TV mode selector button	14
₽	Teletext button	15
Ð	Input mode selector	15
G•	Output mode selector	23
1,2,3,4,5,6, 7,8,9 and 0	Number buttons	14
-/- -	Double-digit entering button	14
С	Direct channel entering button	13
A+/-	Volume control button	14
PROGR+/-	Programme selectors	14
89	Teletext page access buttons	19
•	Picture adjustment button	16
5	Sound adjustment button	16
G	On-screen display button	15
0	Teletext hold button	19
69	Time display button	15

Fastext buttons

PIP (Picture-in-Picture) operation

Symbol	Name	Refer to page
0	PIP on/off button	18
1	PIP source selector	18
Ø	Swap button	18
<u> </u>	PIP position changing button	18
9	PIP position changing button	

Menu operation

Symbol	Name	Refer to page
MENU	Menu on/off button	8
∆+/∇-	Select buttons	8
ЭK	OK (confirming) button	8
←	Back button	8

Video operation

19

Symbol	Name	Refer to pag
MEM USE	MEM/USE switch	25
MEM	MEM indicator	25
VTR 1/2/3, MDP	Video equipment selector	25
■H ● Ó PROGR +/-	Video equipment operation buttons	25
RESET	RESET button	25

1-2. STEP 3 - TUNING IN TO TV STATIONS

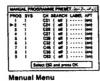




Once you have set up the TV, you can choose the language of the menu. Then you should preset the channels (up to 100 channels) by choosing either the automatic or manual method.

The automatic method is easier if you want to preset all receivable channels at once. Use the manual method if you only have a few channels and want to preset channels one by one. The manual method is also convenient for allocating programme numbers to various video input sources.

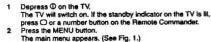




Before you begin

- Check that the Full-Function side of the Remote Commander is
- Locate Menu operation buttons on the Remote Commander. They are shaded in the illustration at the left.

Display the Menu





φ

To go back to main

Keep pressing -

To go back to the

normal TV picture

Note on the DEMO

If you choose

menu, you can see a sequential demonstration on the menu functions.

Press MENU.

function



Choose a language

- Select »Language« with the ∆ + or ∇ button and press the OK
- 2 Select the language you want with ∆ + or ∇ and press OK,

»Preset Channels Manually«.



Flg. 1.



Flg. 2.

With this method, you can preset all recaivable channels at

To stop automatic channel presetting Press ← on the Remote Commander

- Notes · After presetting the channels automatically, you can check which channels are stored on which programme positions. -Using the Pro-gramme Table- on page 16.
- · You can exchange the programme positions to have them appear on screen in the orde you like. For details, see - Exchanging the Programme Positions- on page 10.

gramme numbers to various video input

If you have made a

back to the previous

To go back to main

menu Keep pressing ← . To go back to the

normal TV nicture

mistake Press ← to go

Preset channels automatically

- Select "Preset" with \triangle + or ∇ and press OK. The PRESET menu appears. (See Fig. 3.) Select »Auto Programme« with Δ + or ∇ − and press OK. The AUTO PROGRAMME menu appears. (See Fig. 4.)
- 3 Press OK repeatedly until the first element of the *PROG«
- 4 Select the programme (number button) from which you want to start presetting. Select the first element of the double-digit num-ber with ∆ + or ∇ − or the number buttons (e.g. For =04=, select . =0= here) and press OK.

The second element of »PROG« will be highlighted.

- 5 Select the second element of the double-digit number with Δ + or ∇ - or the number buttons (e.g. For »04«, select »4« here) (See Fig. 5.) and press OK.
- 6 Press OK. The automatic channel presetting starts. When presetting is finished, the preset menu reappears. All available channels are now stored on successive number

PRESET See & the Park September 1 with 1 Williams Select CE2 and prose CIX

Flg. 3.





Use this method if Preset channels manually there are only a few channels in your area to preset or if you want to preset chan-Select *Preset* with Δ + or ∇ ~ and press OK. The PRESET menu appears. (See Fig. 6.) nels one by one. You may also allocate pro-

huttone

Select =Manual Programme Preset= with ∆ + or ∇ - and press The MANUAL PROGRAMME PRESET menu appears.



Fig. 6.

PROS	SVE	CH S	EARCH	LABEL	AFT
-1	1	Car	d de l		lone
2	1	C34	of 1		ioni
	1	C39	er 1		lane
4	1	C45			ford
		COS	i es i		inni
4	1	C44	-		land
7	1	CS4	-		-
	í	COR			-
	i	C36			-
10	ì	C39			len

Flg. 7.

- The LANGUAGE menu appears. (See Fig. 2.)

Now, choose one of the following methods »Preset Channels Automatically«

To tune in a channel by frequency After selecting F in step 5, enter three digits using the number buttons.

If you have made a

back to the previous position.

To go back to main menu
Keep pressing ---

To go back to the

normal TV picture Press MENU.

mistake Press ← to go

8

Select if necessary, a video input source (EXT) with ∆ + or ∇ −. Then press OK. The CH position will be highlighted. (See Fig. 8.)
 Using ∆ + or ∇ −, select C (to preset a regular channel) or F (to tune in by frequency) and press OK.

3 Using Δ + or ∇ -, select the programme position (number but-

ton) to which you want to preset a channel, and press OK.

The first element of the ${\sim}CH{\sim}$ number will be highlighted. If you have selected EXT in step 4, select the video input source with Δ + or ∇ -. (See Fig. 9.)

There are two ways to preset channels. If you know the channel number, go to step »6-Manual»,

0

if you don't know the channel number, go to step »6-Search».

6 Manua

- Select the first element of the »CH« number with ∆ + or ∇ or the number buttons and press OK.
 The second element of the »CH« number will be highlighted.
- Select the second element of the number with △ + or ∇ or the number buttons.
 The selected number appears. (See Fig. 10.)
- Press OK.
 The "SEARCH" position is highlighted and the selected channel is now stored. (See Fig. 11.)
- Press OK until the cursor appears by the next programme position.
- -e Repeat steps 3 to 6 to preset other channels.

6 Searc

- Press OK repeatedly until the colour of the SEARCH position changes.
- -b Start searching for the channel with ∆ + (up) or ∇ − (down). The CH position changes colour. (See Fig. 12.) The CH number starts counting up or downwards. When a channel is found, it stops. (See Fig. 13.)
- Press OK if you want to store this channel. If not, press Δ + or
 ∇ − to continue channel searching.
- Press OK until the cursor appears by the next programme position.
- -e Repeat steps 3 to 6 to preset other channels.

2 1		E 21	(un)	 (90)
Fig.	8.			

2 i C35 (M) (M) Fig. 10.



3 1 C35 (ef) (ent) Fig. 12,

21 CSO (AT) (em)

1-3. ADDITIONAL PRESETTING FUNCTIONS



This section shows you additional presetting functions such as exchanging or skipping programme positions, captioning a station name, manual fine-tuning, and using the parental lock.

Before you begin

- Check that the Full Function side of the Remote Commander is visible.
- Locate the Menu operation buttons.

PROGRAMME ...

0000

0000 0000 0000

@.D.@

- B

®

Exchanging Programme Positions

With this function, you can exchange the programme positions to a preferable order.

- 1 Press MENU to display the main menu.
- 2 Select "Preset" with △ + or ▽ and press OK. The PRESET menu appears.
- 3 Select -Programme Exchange- with ∆ + or ∇ and press OK. The PROGRAMME EXCHANGE menu appears. (See Fig. 14.)
- Using △ + or ∇ −, select the programme position you want to exchange with another and press OK.

 The colour of the selected position changes. (See Fig. 15.)
- 5 Using ∆ + or ∇ −, select the programme position to be exchanged and press OK. Now the two programme positions have been exchanged. (See Fig. 16.)
- 6 Repeat steps 4 and 5 to exchange other programme positions.

mos	CH	LAGEL	PROG	CH	LASE
-	AV1	WE		C.T.	EV.
ï			i	CH	C4
2	CHI	BOCT	11	***	
-1	CHI	SECT	11		
4		***	13		
1	Aldedi	States.	13		
ā			14		
Ť			18		

Flg. 14.

3	CSI	88C1	11	

Fig. 15.

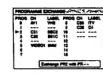


Fig. 16.

For programme positions beyond 15 The display scolls automatically.

If you have made a mistake Press ← to go back to the previous position.

To go back to main menu Keep pressing ← .

To go back to the normal TV picture Press MENU.

Tuning in a Channel Temporarily

You can tune in a channel temporarily, even when it has not been preset. Use the buttons on the Full-Function side of the Remote Commander.

- Press C on the Remote Commander.
 The indication =C= appears on the screen.
- 2 Enter the double-digit channel number using the number buttons (e.g. for channel 4, first press 0, then 4). The channel appears. However, the channel will not be stored.



MANUAL PROGRAMME PRESET **Skipping Programme Positions**

You can skip unused programme positions when selecting programmes with the PROGR «/- buttons. However, the skipped programmes may still be called up when you use the number buttons.

- 1 Press MENU to display the main menu.
- 2 Select »Preset« with △ + or ∇ ~ and press OK. The PRESET menu appears.
- 3 Select -Manual Programme Preset= with △ + or ▽ and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig. 17.)
- 4 Using ∆ + or ∇ −, select the programme position which you want to skip and press OK. The »SYS« position changes colour.
- 5 Press △ + or ▽ until » - = appears in the SYSTEM position. (See Fig. 18.)
- 6 Press OK. (See Fig. 19.) When you select programmes using the PROGR +/- buttons, the programme position will be skipped.
- 7 Repeat steps 4 to 6 to skip other programme positions.

MANUAL PROGRAMME PRESET:

ထ

If you have made a mistake
Press ← to go back to the previous position.

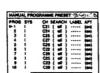
To go back to main menu Keep pressing ← .

To go back to the normal TV picture Press MENU.

Captioning a Station Name

You can *name* a channel or an input video source using up to five characters (letters or numbers) to be displayed on the TV screen (e.g. BBC1). Using this function, you can easily identify which channel or video source you are watching.

- Press MENU to display the main menu.
- 2 Select »Preset« with △ + or ∇ and press OK. The PRESET menu appears.
- 3 Select =Manual Programme Preset= with ∆ + or ∇ and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig. 20.)
- 4 Using ∆ + or ∇ -, select the programme position you want to caption and press OK repeatedly until the first element of the LABEL position is highlighted.
- 5 Select a letter or number with ∆ + or ∇ − and press OK. The next element will be highlighted. Select other characters in the same way, If you want to leave an element blank, select − and press OK. (See Fig. 22.)
- 6 After selecting all the characters, press OK repeatedly until the cursor appears by the next programme position (at the left margin). Now the caption you chose is stored. (See Fig. 21.)
- 7 Repeat steps 5 and 6 to caption names for other channels.



Serect CSS and proce CK

Fig. 17.

PROGR

PROG	378	CH S	EARCH	LABEL	AFT
P+	1	CZ1	ef	****	(en
2	1	C34	46 1	*****	ion
3	1	C25	1 m	****	ies
4		C27	44)	*****	ion
		CZS	ef)	****	in
- 6	1	C22	(46)	****	fon
7	1	G26	(as)	*****	jen
		cas	(#)	*****	-
	1	C23	(est)	*****	-
16	1	CSS	(🛥)	****	100
	re-	teel DD	-	OK	_

Flg. 20.

1	1	C25	(49)	\$ (44)
Fig	21			

1 1 C25 (off) 80HY- (on) Fig. 22.

MANUAL PROGRAMME PRESET

To reactivate AFT

Repeat from the

(automatic fine tun

beginning and select »ON« in step 5.

Manual Fine-Tuning

Normally, the AFT (automatic fine-tuning) is already operating. However, if the picture is distorted, you can use the manual fine tuning function to obtain better picture reception.

1 Press MENU to display the main menu.

(See Fig. 23.)

- 2 Select »Preset» with ∆ + or ∇ and press OK. The PRESET menu appears.
- Select »Manual Programme Preset« with Δ + or ∇ and press OK.

 The MANUAL PROGRAMME PRESET menu appears.
- 4 Using ∆ + or ∇ -, select the programme position corresponding to the channel which you want to manually fine-tune, and press OK repeatedly until the AFT position changes colour.
- 5 Fine-tune the channel with ∆ + or ∇ so that you get the best TV reception. As you press the cursor buttons, the frequency changes from -15 to +15. (See Fig. 24.)
- 6 After fine tuning, press OK. The cursor appears beside the next programme position (at the left margin). (See Fig. 25.) Now the fine-tuned level is stored.
- 7 Repeat steps 4 to 6 to fine-tune other channels.



Fig. 24.

- 8	1	C24	(all)	*****	(-3)
Fig.	25.				

- 2	1	CM	(adl)	*****	7
-3	i	CZS	inth	*****	-

Fig. 26.



If you try to select a programme that has been blocked

The message -LOCKED- appears on the blank TV

Parental Lock

You can prevent undesirable broadcasts from appearing on the screen. We suggest you use this function to prevent children from watching programmes which you consider unsuitable.

- 1 Press MENU to display the main menu.
- 2 Select »Preset» with ∆ + or ∇ and press OK. The PRESET menu appears.
- 3 Select »Parental Lock« with △ + or ∇ and press OK, The PARENTAL LOCK menu appears. (See Fig. 26.)
- 4 Using ∆ + or ∇ –, select the programme position you want to block and press OK. The selected PROG number, CH and LABEL change colour indicating that this programme is now blocked. (See Fig. 27.)
- 5 Repeat step 4 to block other programme positions.

Repeat step 4 to block other Cancelling blocking

- On the PARENTAL LOCK menu, select the programme position you want to unblock with ∆ + or ∇ −.
- 2 Press OK.

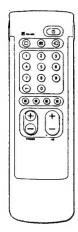
The selected PROG number, CH and LABEL change colour to normal colour indicating that the blocking has been cancelled.

PARKE	TAL U	OX TO	S 10	100	* *
PROG	3	LABEL	PROB	CH	LABO
-	ALL	1946		COS	
1	5350353	99C2		66858333	****
1 2	C4E	ESC.	16	CH	*****
1 3	C26	C4	11	C41	*****
1 4	COI	ILA.	12 13	Cet	*****
	COS	*****	12	C43	*****
1 4	COS	*****	14	C44	*****
1 7	CSF	*****	16	C46	*****

Fig. 26.

PROQ	CH	LVACL	PROG CH	W
	AVI	VHS		
1	C25	BBCS		
2	C42	BBC1		
3	CH	C4		

Fig. 27.



If no picture appears when you depress © on the TV and if the standby indicator on the TV is standby mode. Press O or one of the number buttons to switch

This section explains the basic functions you use while watching TV. Most of the operations can be done using the simple side of the Remote Commander.

Switching the TV on and off

Switching on

Depress @ on the TV.

Switching off temporarily

Press O on the Remote Commander. The TV enters standby mode and the standby indicator on the front of the TV lights up. To switch on again

Press O, PROGR +/-, or one of the number buttons on the Remote Commander.

Switching off completely Depress @ on the TV.

Selecting TV Programmes

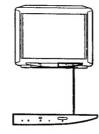
Press PROGR +/- or press number buttons.

To select a double-digit number

Press -/--, then the numbers. For example, if you want to choose 23, press -/--, 2 and 3.

Adjusting the Volume

Press 4+/-.



Operating the TV Using the Buttons on the TV

With the buttons on the TV, you can select programmes, adjust the volume, and select video input sources.

- Press P→ △ → button repeatedly until the programme number, △ (for volume), or ⊕ (for video input picture) appears. Then adjust with the -/+ buttons.
- Press -/+ buttons to switch on the TV from the standby mode.
- Press -/+ simultaneously to reset picture and sound controls to the factory preset level (RESET function).

Watching Teletext or Video Input

Watching teletext

- Press @ to view the teletext.
- Press three number buttons to select a page.
- Press one of the coloured buttons for fastext operation.

 Press (PAGE +) or (PAGE -) for the next or preceeding
- To go back to the normal TV picture, press C.

Watching a video input picture

Press © repeatedly until the desired video input appears. To go back to the normal TV picture, press O.

More Convenient Functions

Use the Full-Function side of the Remote Commander.

Displaying the on screen indications

Press @ once to display all the indications. They will disappear after some seconds.

Press @ twice to have the programme number and label stay on screen. Press twice again to make indications disappear.

Muting the sound

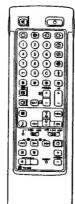
Press &.

To resume normal sound, press & again,

Displaying the time

Press . This function is available only when teletext is broad-

To make the time display disappear, press 22 again.



For details of the teletext operation, refer to page 16.

For details of the ..

video input picture, refer to page 22.



1-5. ADJUSTING AND SETTING THE TV USING THE MENU





If you have made a mistake back to the previous

To go back to the main menu Keep pressing ←

To go back to the normal TV picture Press MENU.

HUE III only available for NTSC colour sys-tem and RESOLU-TION does not work for SECAM colour

Note on LINE OUT The audio level and the dust sound mode iack on the rear correspond to the Head-phone VOLUME and DUAL SOUND set-When watching video input picture SOUND to ch:

Adjusting the Picture and Sound

Although the picture and sound are adjusted at the factory, you can adjust them to suit your own taste. In addition, you can change the aspect ratio of the TV display for wide screen effect, or set the resolution to obtain a higher quality picture. You can also select dual sound (bilingual) programmes when available or adjust the sound for listening with the headphones.

1 Press (for picture) or 1 (for sound) on the Remote Comman-

Press MENU and select »Picture Control» or »Sound Control». The PICTURE CONTROL or SOUND CONTROL menu

appears. (See Fig. 28 or Fig. 29.)

- 2 Using ∆ + or ∇ -, select the item you want to adjust and press OK. The selected item changes colour. (See Fig. 30.)
- Adjust the setting with Δ + or ∇ and press OK. The cursor appears beside the next item (at the left margin). (See Fig. 31.) For the effect of each control, see the table below.
- 4 Repeat steps 2 and 3 to adjust other items.



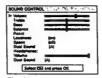


Fig. 29.

Displands	
Fig. 30.	
Brightness In Colour	==
Flg. 31.	

Effect of each control

Dual Sound

PICTURE CONTROL	Effect		
Contrast	Less — More		
Brightness	Darker	- Brighter	
Colour	Less	Aore	
Hue	Greenish	Reddish	
Sharpness	Softer	Sharper	
Reset	Flesets picture to the factory preset levels		
Format	4:3: Normal	16: 9: Wide screen effect	
Resolution	Normal	high: Obtain a higher quality picture	
SOUND CONTROL	Effect		
Volume	Less More		
Trable	Less		
Bass	Less — More		
Balance	Nore left	flore right	
Reset	Resets sound to	the factory preset levels	
Loudness	off: Normal	on: When listening to low volume sound	
Space	off: Normal	on: Obtain acoustic sound effect	
Dual Sound	A: left channel	B: right channel stereo mono	
		de of The ACDB indicator on the TV lights up ICBSIS see NeXI page)	
Headphones			
Volume	Less More		

A: left channel B: right channel stereo mono

Selecting Nicam Broadcasts*

This Sony TV has been designed to select Nicam broadcasts when available. Whenever a Nicam broadcast is received, "NICAM" appears briefly on the screen. When the Nicam programme ends, or you switch channels to one without Nicam, the A-CD-B indicators, on the TV will switch off, Nicam programmes can be broadcast in two ways. You may select the sound you want to hear in either of these by first following the instructions explained on page 16.

Service Being Broadcast	Action	Effect	indicat	
Stereo	Press	Stereo Nicam (Mono 2-Channel)	*	> ≠<
	∆ + or ∇ ~	mono		
Press △ + or ∇ – aç	pain to return to stered	Nicam (mono 2-channel)		
Bilingual	press	Channel A Nicam	>≠<	
	Δ + or ∇ -	Channel E Nicam		₽
		mono		

^{*} Depending on availability of service.

PROGRAMME **Using the Programme Table**

On this table, you can see which channel is preset to which programme position. You can also select programmes using this

From the main menu, select »Programme Table» with \triangle + or ∇ » The PROGRAMME TABLE menu appears. (See Fig. 32.)

To scroll to higher programme numbers, press $\Delta =$.

PROG	CH	LABOL	PROG	CN	LAMB
₽ ?	CBI	*****	11		*****
	CIA	*****	12	C48	*****
3	CSE	*****	12 13 14	0333338	****
4	C27	*****	14	C43	*****
	CES	*****	12	CS4	*****
ě	C22	*****	16	ĊM	
7	CTE	*****	17	CSA	
	634	*****	16	C97	
	***************************************	*****	19	CAR	*****
18	C26	*****	86	C46	*****

Fig. 32.

Using the Sleep Timer

You can select a time period after which the TV automatically switches into standby mode.

- From the main menu, select = Timer= with \triangle + or ∇ and oress
- The TIMER menu appears. (See Fig. 33.)
- Press OK. The time period option changes colour.

message is displayed on the screen.

- Select the time period with Δ + or ∇ -. The time period (in minutes) changes as follows: $10 \rightarrow 20 \rightarrow 30 \rightarrow 40 \rightarrow 50 \rightarrow 60 \rightarrow 70 \rightarrow 80 \rightarrow 90$ _OFF_
- After selecting the time period, press OK.

 The cursor moves back to the left margin and the timer starts counting. One minute before the TV switches into standby mode, a



Fig. 33.

TABLE 7 To select a pro-gramme using this

gramme were menu Select the programme number with △+ or V -- and press OK.

TIMER

To go back to the

normal TV picture Press MENU.

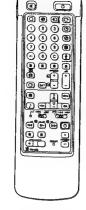
To switch off the

timer Select =OFF« in

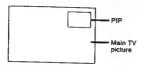
ing time Press ③.

To check the remain

The selected pro-



Note RGB input source cannot be displayed in PIP. With this function you can display a »PIP screen« (small picture) within the main TV picture. In this way you can watch or monitor the video output from any connected equipment (for example from a VTR) while watching TV or vice versa. For information about connection of other equipment, refer to page 21.



Switching PIP on and off

Press C3.

The PIP screen will be displayed. The PIP picture will come from the source chosen when the TV was last used.

To switch PIP off Press C again.

Selecting a PIP source

Press 1.

The symbol I will be displayed at the bottom, left-hand corner of the screen.

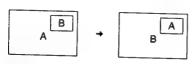
Press Tepeatedly until the desired source is indicated (e.g. TV, AV 1, AV 2, YC2, AV 3, YC3, AV 4, YC 4).

If no video source has been connected, the PIP picture will be

Swapping screens

Press 2.

The main screen will switch the picture with the PIP screen.



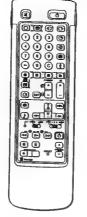
If a TV programme is on the PIP screen and a video source on the main picture, and you want to change channels, first press I and then the programme buttons or PROGR -/-.

Changing the position of the PIP

Press @ repeatedly to change the position of the PIP screen within the main screen. There are four different positions avai-



1-7. TELETEXT



Note Teletext errors may occur if the broad-casting signals are

With the simple side of the Remote Commander

You can switch teletext on and off, operate Fastext, and directly select page numbers.

Note Fastext operation is only possible, if the TV station broadcasts Fastext signals.

TV stations broadcast an information service called Teletext via the TV channels. Teletext service allows you to receive various information pages such as weather reports or news at any time you want. For advanced teletext operation, use the buttons on the Full-Function side of the Remote Commander.

Direct Access Functions

Switching Teletext on and off

- Select the TV channel which carries the teletext broadcast you want to watch
- 2 Press @ to switch on teletext.

A teletext page will be displayed (usually the index page). If there is no teletext broadcast, "No text available" is displayed on the information line of the screen.

To switch teletext off Press O.

Selecting a teletext page

With direct page selection Use the number buttons to input the three digits of the chosen page number.

if you have made a mistake, type in any three digits. Then re-enter the correct page number.

- With page-catching
- Select a teletext page with a page overview (e.g. index page).
- 2 Press

 ⊕ twice. »Page catching« will be displayed on the information line. The last digit if the first displayed page number fla-
- 3 Using ∆ + o ∇ -, select the desired page and press OK. The requested page will appear in a few seconds.

Accessing next or preceding page Press ⊕ (PAGE +) or ⊕ (PAGE -). The next or preceding page appears.

Superimposing the teletext display on the TV programme

- Press @ once in teletext mode or twice in TV mode.
- Press @ again to resume normal teletext reception.

Preventing a teletext page from being updated

- Press (B (HOLD). The HOLD symbol » (B » displayed on the information line.
- Press @ 16 resume normal teletext reception.

Using Fastext

With Fastext you can access pages with one key stroke. When a Fastext page is broadcast, a colour-coded menu will appear at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons on the Remote Commander

Press the corresponding coloured button on the Remote Commander which corresponds to the colour-coded menu. The page will be displayed after some seconds.

င်ပ

Note Some of the features may not be available depending on the Teletext service.

(B)

0000

0000

0000

 \odot \odot \odot

Using the Teletext Menu

This TV is provided with a menu-guided teletext system. When teletext is switched in, you can use the menu buttons to operate the teletext menu. Select the teletext menu functions in the fol-

- Press MENU. The menu will be superimposed on the teletext display. (See Fig. 34.)
- 2 Using \triangle + o ∇ -, select the teletext function you want and press OK. (See Fig. 35.)

USER PAGES/PRESET USER PAGES

See page 20 for information about presetting and operating the

INDEX

The index will give you an overview of the contents of the teletext and the page numbers.

TOP/BOTTOM/FULL

For convenient reading of a teletext page, you can enlarge the teletext display. After having selected the function, an information line TOP/BOTTOM/FULL will be displayed. (See Fig. 38.)

Press ∆ + for »Top« iti enlarge the upper half, ∇ - for »Bottom« to enlarge the lower one and OK for »Full» to resume the normal Press @ to resume normal teletext reception.

After having selected the function, you can watch a TV programme while waiting for a teletext page to be displayed. (See Fig. 37.)

Press @ to resume normal teletext mode.

REVEAL

Sometimes pages contain concealed information, such as answers to a quiz. The reveal option, lets you disclose the information. After having selected the function, an information line "REVEAL ON/OFF« will be displayed. (See Fig. 38.)

Using Δ + or ∇ -, select ON to reveal the information or OFF to

Press @ to resume normal teletext reception.



Flg. 34,



Flg. 35.





Fig. 37.



Fig. 38.

SUBPAGE

You may want to select a particular teletext page from several subpages which are rotated automatically. If you want to select one subpage, follow the operations below:

- 1 Using Δ + or ∇ -, select ON for the SUBPAGE setting and press
- 2 To select the desired subpage, enter four digits using PROGR +/- or the number buttons. (e.g. enter 0002 for the second page

User Page Bank System

You can store up to 30 pages in the "Teletext page bank system". In this way you have quick access to the pages you watch frequently.

Storing pages

There are 5 -banks- (A to E) for 5 teletext stations. It each bank you can store 6 preferred pages (1P to 6P).

- Press @ (if Teletext is not on already) and MENU to show the TELETEXT MENU display.
- 2 Select PRESET USER PAGES with ∆ + or ∇ and press OK.
- 3 Select the desired bank with Δ + or $\overline{\vee}$ -- and press OK. The cursor will go to the first position (P1) of the preferred pages.
- Input the three digits of your first preferred page with the number buttons and press OK. The cursor will go to the second position.
- 5 Repeat step 4 for the other 5 page numbers you want ill preset. If you do not want to preset all 6 page numbers available, prese OK without inserting any number.
- Select =Allocate Bank« with ∆ + or ∇ and press OK.
- Select the programme position for which you have preset pages with Δ + or ∇ - and press OK. (See Fig. 39).
- 8 Select the desired bank with Δ + or ∇ (Banks A to E are available) and press OK.
- 9 Repeat steps 3 to 8 for the other 4 banks available.

Displaying User Pages

- 1 Select MENU.
- 2 Select =USER PAGES= with Δ + or ∇ and press OK. A table of the stored preferred pages will be displayed.
- Select the desired page with Δ + o ∇ and press OK. The page will be displayed after some seconds.



Flg. 39.



Fig. 40.

To cancel the

press OK.

request Select *OFF* for the SUBPAGE setting and

If two broadcasting

stations use the

You can preset one bank to 2 different

Connecting Optional Equipment

You can connect optional audio-video equipment to this TV such as VTRs, video disc players, and stereo systems.

To connect a VTR using the Tr terminal Connect the aerial output of the VTR to the aerial terminal T of the TV. We recommend that you tune in the video signal to programme number +0+. For details see »Preset

If the picture or the sound is distorted Move the VTR away from the TV.

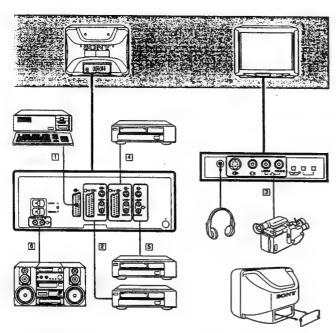
channels manually.

Note: After having con-nected all optional equipment to the TV, attach the supplied cover onto the rear panel (See illustration at the right).

S video input (Y/C Input) Video signals may be (luminance or bright-ness) and C (chromi-nance) signals. Sepa-rating the Y and C signals prevents them from interfering with one another, and the-refore improves picture quality (espe-cially luminance). This TV is equipped with 3 S Video input jacks throught which these separated signais can be input

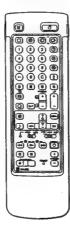
When connecting a monaural VTR
Connect only the
white ⊕ jack to both the TV and VTR.

directly.



Acceptable input signal Available output signal Normal audio/video and RGB signal Video/audio from TV tuner 2 Normal audio/video and S video signal Video/audio from selected source 3 Normal audio/video and S video signal No outputs 4 Normal audio/video and S video signal Video/audio displayed on TV screen (monitor out) 5 No inputs S video/audio signal displayed on TV screen (monitor out) 6 No inputs Audio signal (variable)

Selecting input with PROGR +/- or num-You can preset video input sources to the programme positions so that you can select them with PROGR +/- or number but-tons. For details, see »Preset channels manually« on page 9.



Selecting input and output

This section explains how to view the video input picture (of the video source connected to your TV), and how to select the output signal using direct access buttons or the menu system.

Selecting input

Press Tepeatedly to select the input source.

The symbol of the selected input source will appear.

To go back to the normal TV picture

Press O.

Input modes

Symbol	Input signal	
⊕ 1	Audio/video input through the -6 1 connector	
-ō	RG8 input through the -6 1 connector	
⊕2	Audio/video input through the	
19 2	S video input through the @ 2/@ 2 or @ 2 connector	
⊕ 3	Audio/video input through ⊕ 3 and ⊕ on the front	
- 3 3	S video input through the @ 3 connectors on the fronty (4-pin connector)	
1 4.	Audio/video input through the G+ 4/ € 4 connector	
9 4	S video input through the 3 4/3 4 or 3 4 connector (4-pin connector)	

1

10

You can also select the input mode using the P→△→ p and ++ buttons on the TV.

In this case, first select @, and then press -/+ buttons to select the input.

Selecting the output

The @- 2/@ 2 connector outputs the source input from the other connectors.

Press @ repeatedly to select the output.

The symbol of the selected output source appears.

Output modes

Symbol	G- 2/-G 2 connector outputs	
10-	The audio/video signal from the -8 1 connector	
23	The audio/video signal from the @= 2/ @ 2 connector	
2 €-	The audio/S video signal from the @ 2/@ connector	
3 <i>G</i> •	The audio/video signal from the ⊕ 3 e ⊕ 3 connectors	
3 €9-	The audio/S video signal from the ⊕ 3 e ⊕ 3 connectors	
4G+	The audio/video signal from the G-4/-94 connector	
4 () -	The audio/S video signal from the @ 4/ @ 4 connector	
TV C+	The audio/video signal from the T aerial terminal	

Checking and selecting the input and output sources using the menu

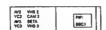
You can display the menu to see which input sources are selected for the TV screen and PIP screen, and which output source is selected. You can also select them on the menu display.

- 1 Select Video Connection- with Δ + o ∇ and press OK. The VIDEO CONNECTION menu appears. (See Fig. 41). You can see which source is selected for the TV and PIP input, and for the output. If you want to select the input and output on this menu, go on to the next step.
- Select TV screen (input source for the TV screen), PIP (input source for the PIP screen), or Output (output source) with ∆ + or ∇ - and press OK. One of the source items changes colour. (See Fig. 42.)
- 3 Select the desired source with △ + o ▽ -. (See Fig. 43.) For details about each source, see the table on page 22.
- Press OK. The selected source is confirmed, and the cursor appears. (See Fig. 44.)
- 5 Repeat steps 2 to 4 to select the source for other inputs or out-



Fig. 41.

0070460	
	/ 00704R:



Flg. 43.

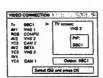


Fig. 44.

Remote Control of Other Equipment

You can use the TV Remote Commander to control other remote-controlled equipment. The buttons for video operation have been factory-set to control most of Sony video equipment, such as: Beta, 8mm or VHS VTRs or video disc players.

Additionally you can programme these buttons to control also audio and video equipment of

Additionally you can programme these buttons to control also audio and video equipment is other manufacturers.

Tuning the Remote Commander to Sony equipment

1 Set the VTR 1/2/3 MDP selector according to the equipment you want to control:

VTR 1: Beta or ED Beta VTR

VTR 2: 8mm VTR VTR 3: VHS VTR MDP: Video disc player

2 Use the buttons indicated in the illustration to operate the additional equipment. If your video equipment is furnished with a COMMAND MODE selector set this selector to the same position as the VTR 1/23 MDP selector on the TV Remote Commander. If the equipment does not have a certain function, the corresponding button on the Remote Commander will not operate.

Tuning the Remote Commander to audio or video equipment of other manufacturers

Your TV Remote Commander is a programmable Remote Commander. This means that you can programme the buttons indicated in the illustration with functions of other Remote Commanders. A function can be stored on any of the buttons and on all four levels of the VTR 1/2/3 MDP selector.

Programming a function

- Set the MEM/USE switch to MEM (memorize).
- 2 Set the VTR 1/2/3 MDP selector to the desired position.
- 3 Position the two Commanders head to head (see illustration).
- First press the button on the TV Remote Commander onto which you want to programme a function. Now the MEM indicator on the Remote Commander lights up.
 Then press the button on the other Remote Commander, the
- function of which you want to programme. As soon as the MEM indicator goes out, the function is stored.
- 6 Repeat steps 4 and 5 for all other functions you want it programme. When you have programmed all buttons on one level of the VTR 1/2/3 MDP selector, select another level.
- 7 When you have finished programming, set the MEM/USE switch to USE.

Clearing programmed functions

- Set the MEM/USE switch to MEM.
- Set the VTR 1/2/3 selector to the level of functions you want to clear.
- 3 Press any of the programmable buttons. Now the MEM indicator lights up.
- 4 Keep the RESET button pressed, using the tip of a pen, until the MEM indicator has flashed four times. Now all programmed functions on this level are cleared.
- 5 Reset the MEM/USE switch to USE.



(3)

When recording When you use the (record) button, make sure to press this button and the one to the right of it simultaneously.

- Do not move the Remote Commanders during programming.
- After programming, check to see if all the programmed functions work. It may be the case, that a function cannot be programmed.
- owners are to be programmed.

 When you want to operate the audio or video equipment Make sure that the VTR 1/2/3 MDP selector is set to the position you used during programming.

 When you replace the
- Remote Commander batteries, the programmed functions remain stored for 30 minutes without a bat-
- tery.

 When the memory of the programmable Remote Commander is full, the MEM indicator lights up.

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1-9. FOR YOUR INFORMATION

Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

Problem	Solution	
No picture (screen is dark), no sound	Plug the TV in.	
	 Press	
	Check the aerial connection.	
	 Check If the selected video source is on. 	
	 Turn the TV off for 3 or 4 seconds and then turn it on again using Ø. 	
Poor or no picture (screen is dark), but good sound	 Press to enter the PICTURE CONTROL menu and adjust "Brightness" "Contrast" and "Colour". 	
Good picture but no sound	• Press ⊿+	
·	 If	
No colour for colour programmes	 Press It is enter the PICTURE CONTROL menu, select »Reset», the press OK. 	
Remote Commander does not function	The batteries are weak.	
	Set the MEM/USE switch to USE.	

If you continue to have problems, have your TV serviced by qualified personnel. Never open the casing yourself.

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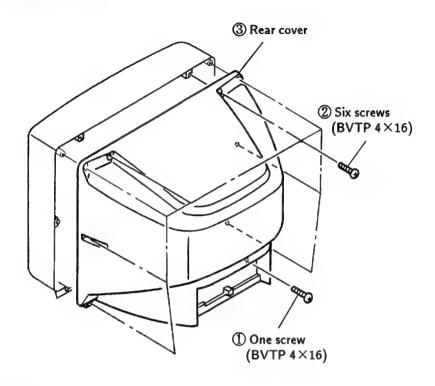
Television Channel Number Guide

Only the main transmitters are listed, Information regarding the regional sub-relay channel numbers can be obtained by contacting
The BBC Engineering Information Dept. (081) 752 5040.

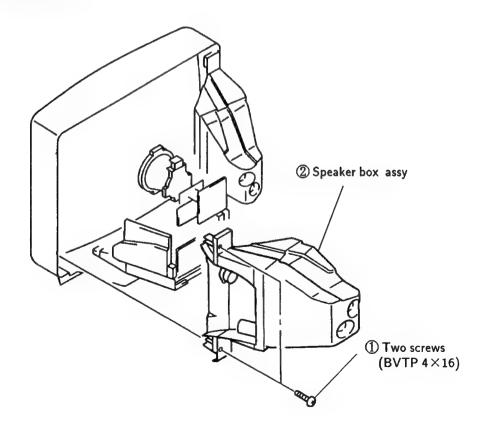
MAIN TRANSMITTERS	BBC1	BBC2	ITV	CH4	
London & South East					_
Bluebell Hill	40	46	43	65	
Crystal Palace	26	33	23	30	
Dover	50	56	66	53	
Heathfield	49	52	64	67	
Oxford	57	63	60	53	
South-West					
Beacon Hill	57	63	60	58	
Caradon Hill	22	28	25	32	
Huntshaw Cross	55	62	59	65	
Redruth	51	44	41	47	
Stockland Hill	33	26	23	29	
Channel Islands					
Fremont Point	51	44	41	47	
South					
Hannington	39	45	42	86	
Midhurst	61	55	58	68	
Rowridge	31	24	27	21	
West					
Mendip	58	84	81	54	
East Sandy Manth					
Sandy Heath	31	27	24	21	
Sudbury	51	44	41	47	
Tacoineston	62	55	59	65	
Midlends	22				
Ridge Hill Sutton Coldfield	46	28	25	32	
The Wrekin		40	43	50	
Wakham	26 56	33 64	23 61	29 54	
Northern Ireland	30	04	01	34	
Brougher Mountain	22	28	25	32	
Divis	31	27	24	21	
Limavady	55	62	59	65	
North	33	95	38	65	
Belmont	22	29	25	32	
Emley Moor	44	51	47	41	
North-West	**		71	71	
Winter Hill	55	62	59	65	
Douglas (IOM)	68	66	48	56	
North-East	•••	•••	40	-	
Bilsdale West Moor	33	26	29	23	
Caldbeck	30	34	28	32	
Chatton	39	45	49	42	
Pontop Pike	56	64	61	54	
Laxey (IOM)	58	64	81	54	
Scotland			-		
Angus	57	63	60	53	
Black Hill	40	46	43	50	
Sandale	22	_	_	_	
Caldbeck	_	34	28	32	
Craigkelly	31	27	24	21	
Darvel	33	26	23	29	
Durris	22	28	25	32	
Eitshal	33	26	23	29	
Keelylang Hill	40	46	43	50	
Knock More	33	26	23	29	
Rosemarkie	39	45	49	42	
Rumster Forest	31	27	24	21	
Selkirk	55	62	59	65	
Wales					
Blaenplwyf	31	27	24	21	
Carmel	57	63	60	53	
Llanddona	57	63	60	53	
Moel-y-Parc	52	45	49	42	
Presely	46	40	43	50	
Wenvoe	44	51	41	47	

SECTION2 DISASSEMBLY

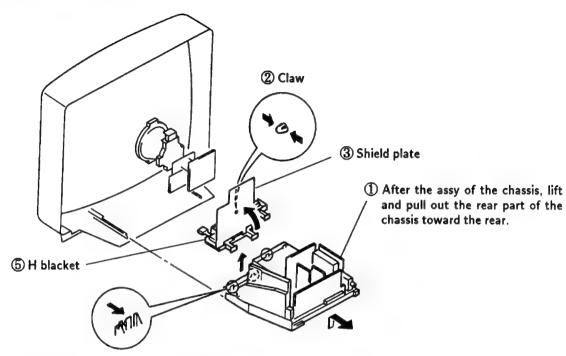
2-1. REAR COVER REMOVAL



2-2. SPEAKER REMOVAL



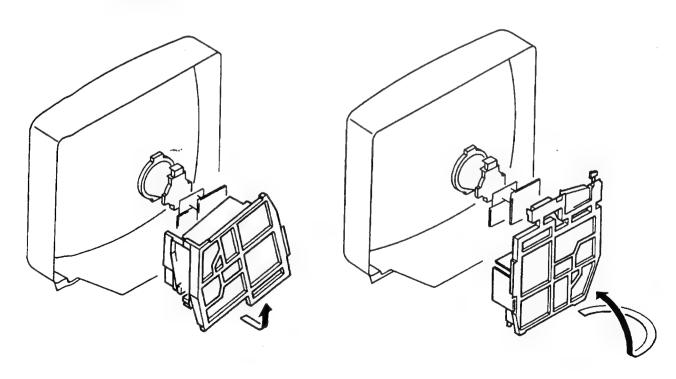
2-3. CHASSIS ASSY REMOVAL



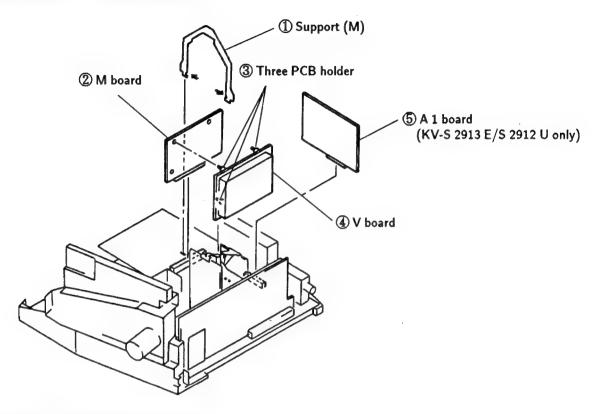
4 Push the three claws of the chassis in the direction of the arrow and remove the H bracket upwards.

2-4. SERVICE POSITION

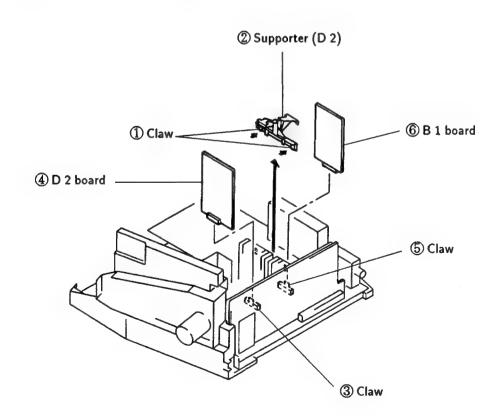
Remove the H bracket from the chassis assy and then perform the following servicing.
 (Refer to 2-3. CHASSIS ASSY REMOVAL)



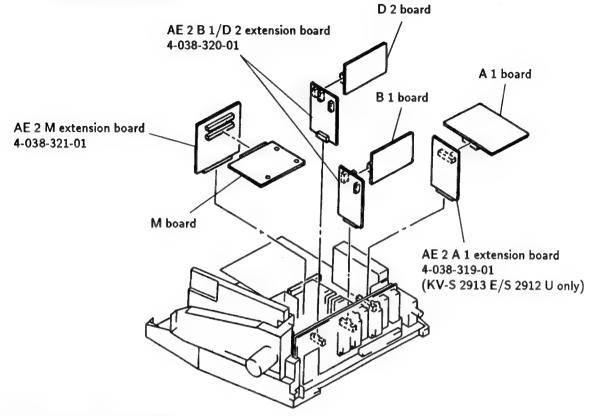
2-5. M, V AND A 1 BOARDS REMOVAL



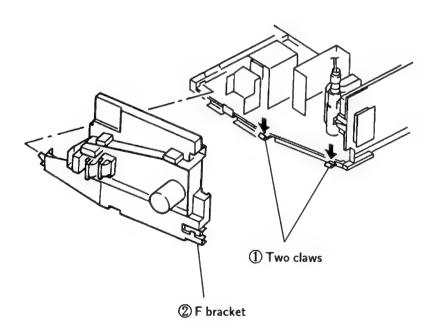
2-6. D 2 AND B 1 BOARDS REMOVAL



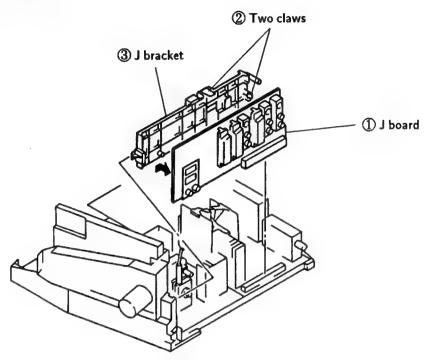
2-7. EXTENSION BOARD



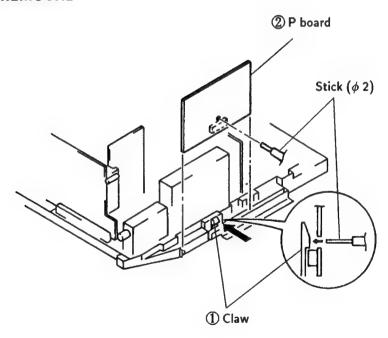
2-8. F BRACKET REMOVAL



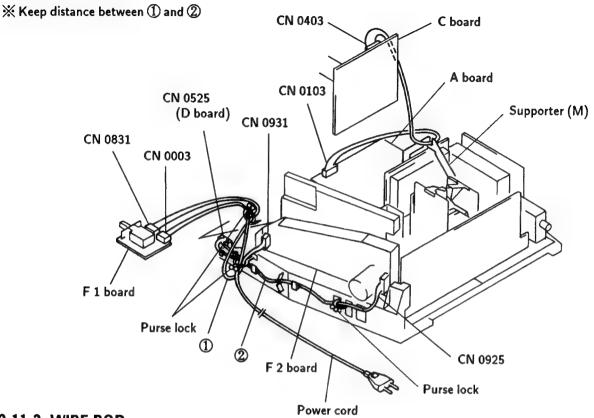
2-9. J BOARD REMOVAL



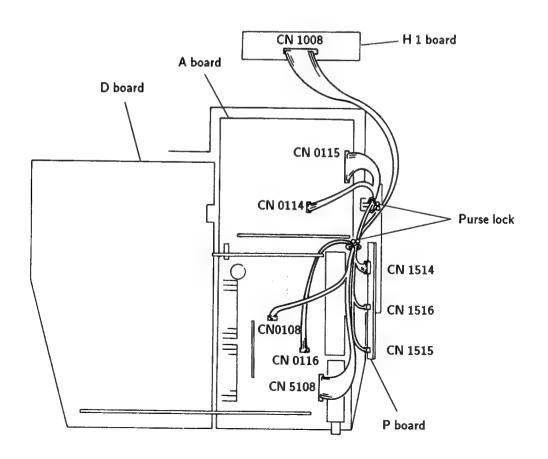
2-10. P BOARD REMOVAL



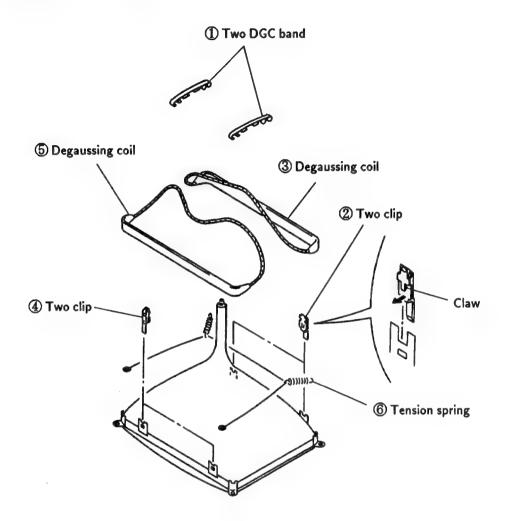
2-11-1. WIRE ROD



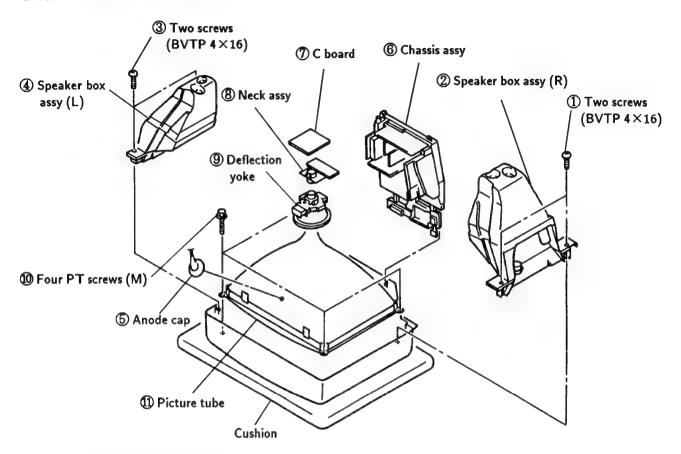
2-11-2. WIRE ROD



2-12. DEGAUSSING COIL REMOVAL



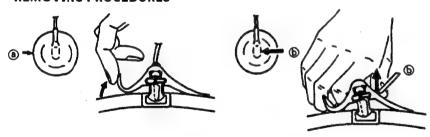
2-13. PICTURE TUBE REMOVAL



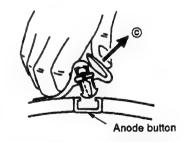
REMOVAL OF ANODE-CAP

NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT chield or carbon painted on the CRT, after removing the anode.

REMOVING PROCEDURES



- Turn up one side of the rubber cap in the direction indicated by the arrow (a).
- ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⑤.

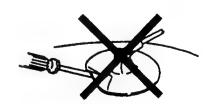


When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ©.

HOW TO HANDLE AN ANODE-CAP

- Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps!
 A material fitting called as shatter-hook terminal is built in the rubber.
- 3 Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.





SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there is specific instruction to the contrary, carry out these adjustments with the rated power supply.
- Unless there is specific instruction to the contrary, set the controls and switches this way:
 - Contrast 80% (or remote control normal)

⇔ Brightness · · · · 50%

- Carry out the following adjustments in this order:
- 1. Beam landing
- 2. Convergence
- 3. Focus
- 4. White balance

Note: Testing equipment required.

- 1. Color bar/pattern generator
- 2. Degausser
- 3. DC power supply
- 4. Digital multimeter
- 5. Oscilloscope

Preparations:

- In order to reduce the influence of geomagnetism on the set's picture tube face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

- In put the white signal with the pattern generator.
 Contrast
 Brightness normal
- 2. Position neck assy as shown in Fig.3-2.
- 3. Set the pattern generator raster signal to red.
- 4. Move the deflection yoke to the rear and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side. (See Fig. 3-1 3-3)
- 5. Move the deflection yoke forward and adjust so that entire screen is red. (See Fig.3-1)
- 6. Switch the raster signal to blue, then to green and verify the condition.
- 7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
- 8. If the beam does not land correctly in all the corners, use a magnet to adjust it. (See Fig.3-4)

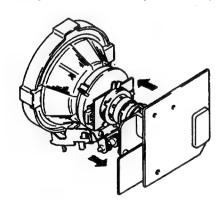
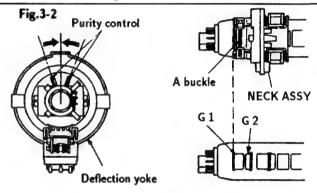
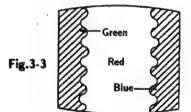
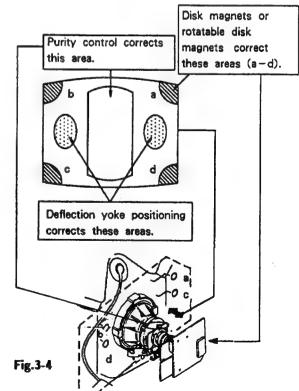


Fig.3-1



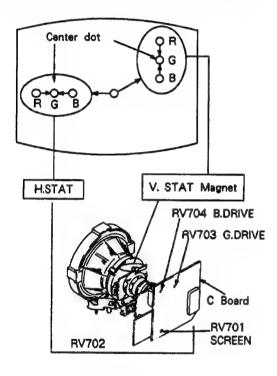




3-2. CONVERGENCE

Preparations:

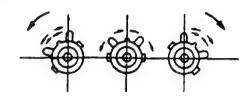
- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.
- (1) Horizontal and vertical static convergence



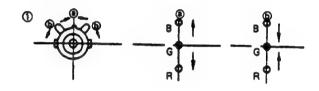
- 1. (Moving horizontally), adjust the H.STAT control so that the red, green, and blue points are on top of each other at the center of the screen.
- 2. (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
- 3. If the H.STAT variable resistor cannot bring the red, green, and blue points together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V. STAT magnet in the manner given below.

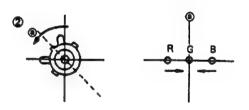
(In this case, the H.STAT variable resistor and the V.STAT magnet influence each other)

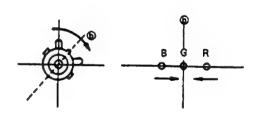
● Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.

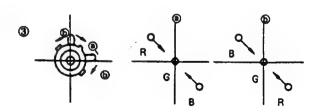


4. If the V.STAT magnet is moved in the direction of the @ and b arrows, the red, green, and blue points move as shown below.

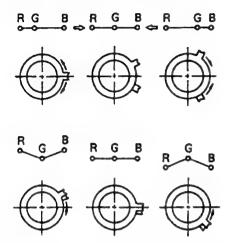






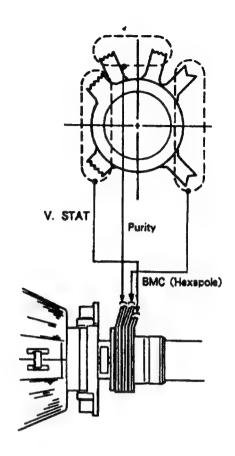


• Operation of BMC (Hexapole) Magnet



• The respective dot positions resulting from moving each magnet interact, so be sure to perform adjustment while tracking.

Use the H.STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).



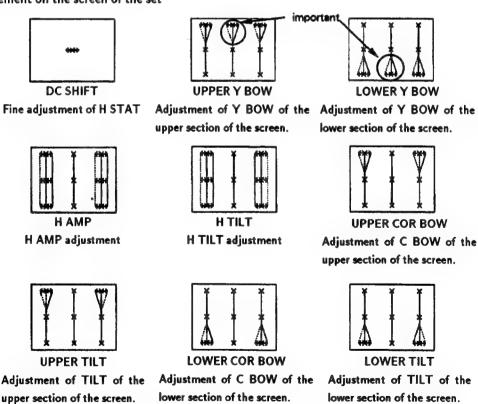
(2) Dynamic convergence adjustment

- 1. Adjust horizontal convergence located at the center position of the screen with H STAT VR.
- Enter into service mode. (Refer to the section 2
 "Electrical Adjustment" on how to enter service
 mode.)
- 3. Select CXA 1526 on menu.
- 4. Select each item and adjust them so that each item attains optimal convergence.
- 5. Press OK button to write the data.

CXA 1526

Item No.	Adjustment item	Data Amout
01	DC SHIFT	32
02	UPPER Y BOW	4
03	LOWER Y BOW	5
04	H AMP	48
05	H TILT	29
06	UPPER COR BOW	32
07	UPPER TILT	
08	LOWER COR BOW	32
09	LOWER TILT	32

R.G.B.dots movement on the screen of the set

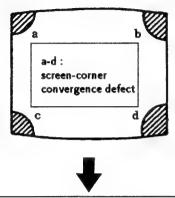


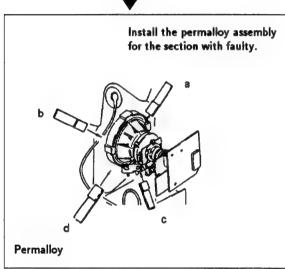
At this time, H.TILT, H.AMP, UPPER TILT, UPPER COR, BOW, LOWER TILT, and LOWER COR, BOW look like all the same, but the movement of the

right and left dots are reverse in all the TILT system. (Pay attention to the dotted lines.)

(4) Screen corner convergence

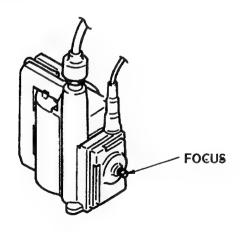
If you cannot adjust corner convergence properly, correct them with permalloy.





3-3. FOCUS

Adjust the focus to optimize the screen.



3-4. WHITE BALANCE

Screen G2 Setting

- 1. Input the dot signal from the pattern generator.
- 2. Set the picture brightness control to its lowest level.
- 3. Apply 180V DC to the R,G, and B cathodes with an external power supply.
- 4. While watching the picture, adjust G 2 control RV 701 (Screen) to the point just before the return lines disappear.

White balance adjustment

- 1. Receive all-white signal.
- Enter into service mode. (Refer to the section 4
 "Electrical Adjustment" to how to enter service
 mode.)
- 3. Select CXA 1587S on menu.

CXA 1587S

Item No.	Adjustment item	Data amout
09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.
16	G-AUTO CUT OFF	ADJ.
17	B-AUTO CUT OFF	ADJ.
18	R-MANUAL CUT OFF	ADJ.
19	G-MANUAL CUT OFF	ADJ.
20	B-MANUAL CUT OFF	ADJ.

- 4. Set picture to MAX.
- 5. Adjust G-DRIVE B-DRIVE with **★**, **\Solution** buttons so that the white balance becomes optimum.
- 6. Press OK button to write the data for each item.
- 7. Set picture to MIN.
- 8. Adjust G-AUTO CUT OFF, B-AUTO CUT OFF, R
 -MANUAL CUT OFF, G-MANUAL CUT OFF and
 B-MANUAL CUT OFF with buttons so
 that the white balance becomes optimum.
- 9. Press OK button to write the data for each item.

SECTION 4 CIRCUIT ADJUSTMENTS

4-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied remote commander, RM-832.

HOW TO ENTER INTO SERVICE MODE

1. Turn on the main power switch of the set while pressing any two buttons on the front panel.

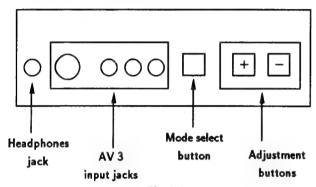
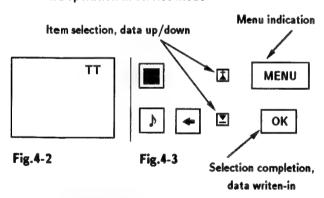


Fig.4-1

2. "TT" will appear on the upper right corner of the screen.

Command operation in service mode



3. Press the MENU button of the commander to get the menu on screen.

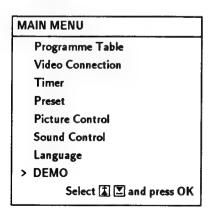


Fig.4-4

- 4. Press the **1** and **2** buttons of the commander and move > to DEMO.
- 5. Press OK button to proceed to the next menu.
- 6. The menu of fig.4-5 will appear on screen. Select DEVICE corresponding to the adjustment item from the table on next page.



Fig.4-5

7. If adjustment item is CXA1587S, press the ∑ button and move > to CXA1587S.

CXA 1587 S

Item No.	Adjustment item	Data Amout
01	PICTURE	53
02	COLOR	31
03	BRIGHT	31
04	HUE	31
05	SHARPNESS	7
06	RGB PICTURE	13
07	SUB CONTRAST	ADJ.
08	SUB COLOR	ADJ.
09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.

- 8. Press OK button to get the next selection menu.
- 9. Press

 button and move > to the adjustment item and press OK button.

 OK button.
- 10. Press the **and** buttons to change the data in order to comply each standard.
- 11. Press OK button to write data.
- 12. Turn off the power to quit service mode when completing the adjustment.

CXA 1587 S

Item No.	Adjustment item	Data Amout
01	PICTURE	53
02	COLOR	31
03	BRIGHT 31	
04	HUE	31
05	SHARPNESS	7
06	RGB PICTURE	13
07	SUB CONTRAST	ADJ.
08	SUB COLOR	ADJ.
09	SUB BRIGHT	ADJ.
10	SUB HUE	7
11	VM LEVEL	2
12	NR LEVEL	0
13	ABL MODE	0
14	G-DRIVE	ADJ.
15	B-DRIVE	ADJ.
16	G-AUTO CUT OFF	ADJ.
17	B-AUTO CUT OFF	ADJ.
18	R-MANUAL CUT OFF	ADJ.
19	G-MANUAL CUT OFF	ADJ.
20	B-MANUAL CUT OFF	ADJ.
21	GAMMA LEVEL	0
22	DC TRANSFER RATIO	3
23	DINAMIC PICTURE	0
24	Y FILTER ADJ	ADJ.
25	Y DELAY TIME	15
26	Y DELAY SWITCH 1	0
27	Y DELAY SWITCH 2	1
28	SHARPNESS LIMIT	ON
29	ALL BLK	OFF
30	H SHIFT	32
31	DAC TEST	ON
32	PRE/OVER SHOOT	7
33	SHARPNESS FO	2
34	SUB SHARPNESS	3
35	R MUTE	OFF
36	G MUTE	OFF
37	B MUTE	OFF

CXA 1526

Item No.	Adjustment item	Data Amout
01	DC SHIFT	32
02	UPPER Y BOW	4
03	LOWER Y BOW	5
04	H.AMP	48
05	H TILT	29
06	UPPER COR BOW	32
07	UPPER TILT	32
08	LOWER COR BOW	32
09	LOWER TILT	32

AGING 1	OFF
AGING 2	OFF
AKB OFF	ON
INHIBIT RGB	OFF
FORCED RGB	OFF
V/2 V	OFF
AXIS	PAL
HUE SW	OFF
V EXTENTION	OFF
AFC 1	1
AFC 2	0
AFC OFF	ON
REF.POSITION	0
	AGING 2 AKB OFF INHIBIT RGB FORCED RGB V/2 V AXIS HUE SW V EXTENTION AFC 1 AFC 2 AFC OFF

CXD 2018

Item No.	Adjustment item	Data Amout
01	V SIZE	ADJ.
02	V SHIFT	ADJ.
03	S CORRECTION	ADJ.
04	V LINEARITY	ADJ.
05	H SIZE	ADJ.
06	PIN AMP	ADJ.
07	TILT	ADJ.
08	UPPER CORNER	ADJ.
09	LOWER CORNER	ADJ.
10	V BOW	ADJ.
11	ANGLE	ADJ.
12	HV COMP.V	13
13	HV COMP.H	8
14	FRAME SHIFT	OFF
15	FREE RUN 60 Hz	OFF
16	SYSTEM 60 Hz	OFF
17	ASPECT WIDE	OFF
18	DOUBLE SCAN	OFF
19	INTERLACE	ON
20	H SHIFT	32
21	N/S CORRECTION	ADJ.

Typical Value (OSD based) when receiving PAL Philips pattern.

TDA 6612

Adjustment item	Data Amout
Stereo-Separation	30

Should be adjusted twice 4 : 3 and 16 : 9 mode.

Y FILTER ADJUSTMENT

- 1. Input PAL RED pattern.
- 2. Connect an oscilloscope to CN 0403 ① pin (R OUT) on the C board.
- 3. Enter into service mode and press 3, 8.
- 4. Adjust data by \triangle or ∇ to minimize the chroma element of CN 0403 1 pin.

SUB BRIGHTNESS ADJUSTMENT

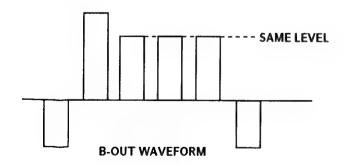
- 1. Input Phillips pattern.
- 2. Enter into service mode and press 23.
- Adjust data so that 0-IRE of the grey scale and CUT
 -OFF 20-IRE glitter slightly.

SUB CONTRAST ADJUSTMENT

- Input a video that contains small 100% area on the Black Back ground.
- 2. Enter into service mode and press 01 to have PIC max followed by 21.
- 3. Adjust data so that 2.5 Vp-p can be obtained at ① CN 0403 (R out).

SUB COLOR ADJUSTMENT

- 1. Input PAL color bar.
- 2. Connect an oscilloscope to CN 0403 ③ pin (B OUT) on the C board.
- 3. Enter into service mode and press 22 of CXA1587S, 8 SUB COLOR.
- 4. Adjust data so that the right sides of the waveform will be the same.



STEREO-SEPARATION ADJUSTMENT

- 1. Input 1 kHz stereo signal to the L-ch and 400 Hz stereo signal to the R-ch.
- 2. Enter into service mode and press 19.
- 3. Adjust data so that sound does not leak to the R-ch and the L-ch.

DRIVE AND CUT OFF

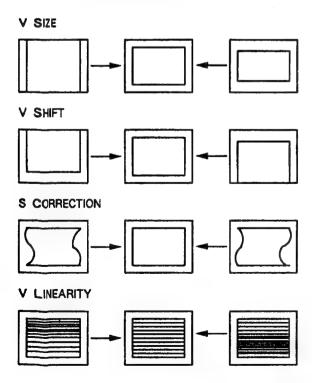
See direct test mode list attached and refer to sub brightness or such for adjustment method.

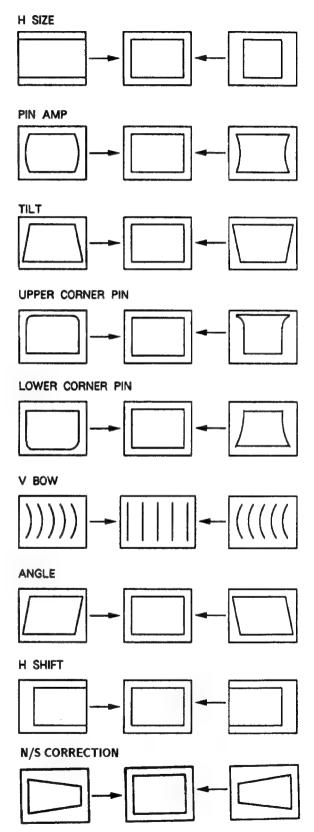
DEFLECTION SYSTEM ADJUSTMENT

- 1. Enter into service mode and select CXD 2018.
- 2. Select and adjust each item in order to get an optimum image.

CXD 2018

Item No.	Adjustment item	Data Amout
01	V SIZE	ADJ.
02	V SHIFT	ADJ.
03	S CORRECTION	ADJ.
04	V LINEARITY	ADJ.
05	H SIZE	ADJ.
06	PIN AMP	ADJ.
07	TILT	ADJ.
08	UPPER CORNER	ADJ.
09	LOWER CORNER	ADJ.
10	V BOW	ADJ.
11	ANGLE	ADJ.
12	HV COMP.V	13
13	HV COMP.H	8
14	FRAME SHIFT	OFF
15	FREE RUN 60 Hz	OFF
16	SYSTEM 60 Hz	OFF
17	ASPECT WIDE	OFF
18	DOUBLE SCAM	OFF
19	NON INTERLACE	ON
20	H SHIFT	32
21	N/S CORRECTION	ADJ.





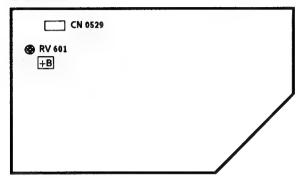
3. Press OK button to write the data.

If menu display may disturb the adjustment press of to clear, to resume it, press of again.

4-2. VOLUME ELECTRICAL ADJUSTMENTS

+B (+135 V) ADJUSTMENT (RV 601)

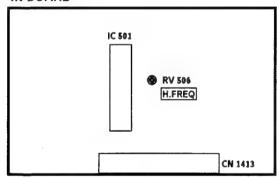
D BOARD



- 1. Turn on the power of the TV set.
- 2. Connect a digital multi-meter to ① pin of CN 0529 on D board.
- 3. Adjust RV 601 on D board to $+135\pm0.5$ V.

H.FREQ ADJUSTMENT (RV 506)

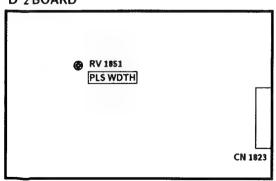
M BOARD



- 1. Connect GND to 22 pin of IC 501 on M board.
- 2. Connect a frequency counter to 4 pin of IC 501.
- 3. Adjust RV 506 on M board to $15,625 \text{ kHz} \pm 10 \text{ Hz}$.
- 4. Remove 2 pin of IC 501 from GND.

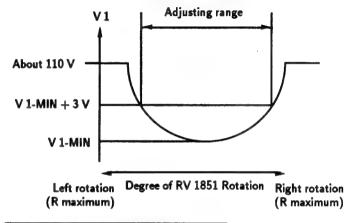
PLS WDTH

D 2 BOARD



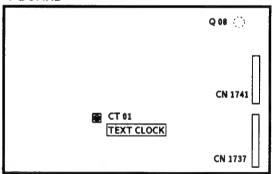
DRIVE PULSE PHASE ADJUSTMENT(RV 1851)

While measuring the voltage V 1 at both edges of C 1859, rotate RV 1851 so that it becomes minimum.
 The adjusting range is from (the voltage at which V 1 becomes minimum) V 1 MIN to 3 V, which means, adjust to between V 1 MIN to V 1 MIN + 3 V.



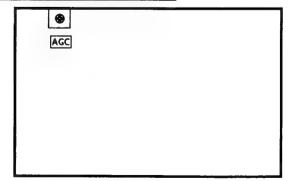
TEXT CLOCK ADJUSTMENT (CT 01)

V BOARD



- 1. Get TEXT MENU on screen.
- 2. Connect GND and the base of Q 08 on V board.
- 3. Adjust CT 01 on V board so that the MENU stands still as much as possible.

AGC ADJUSTMENT (IF BLOCK)



- 1. Receive off-air signal.
- 2. Adjust AGC VR so that there is no snow noise and cross-modulation.
- 3. Change receiving channel and confirm status.

4-3. TEST MODE 2:

Is available by pressing Test button two times, OSD "TT" appears. The functions described bellow are available by pressing the two numbers. To release the Test Mode 2, press two times 0, or switch TV in Standby Mode.

00	switch Test Mode 2 off
01	picture maximum
02	picture minimum
03	Volume 35%
04	Volume 50%
05	Volume 65%
06	Volume 80%
07	Aging Condition (Volumin., Picture max., Brightness
	max., Aging 2 Mode of CXA 1587S, TDA 2595 is
1	locked to CXA 1587S via PIN 34 of μ-Con.)
08	Shipping Condition (Analog Values are RESET due
	to factory setting, Prog 1 is selected, TT Mode is
	switched off)
09	dummy
10	Tenth entry is deleted
11	Balance
12	Hue
13-14	dummy
15	Read factory setting from NVM
	Reads Volume, Balance, Treble, Bass, Brightness,
	Contrast, Hue, Sharpness, Colour values from ROM
	to the actual used values (Last Power Memory)
16	Save actual used values as RESET values
	Memorize actual used values Balance, Treble, Bass,
i	Hue, Sharpness at RESET position in NVM
17	Preset Lavel for AV Sources
18	dummy
19	Stereo Seperation
20	Tenth entry is deleted
21	Sub Contrast
22	Sub Colour
23	Sub Brightness
24-29	dummy
	l

30	Tenth entry is deleted
31	Green Drive
32	Blue Drive
33	Green Cut Off (Auto Cut Off)
34	Blue Cut Off (Auto Cut Off)
35	Red Cut Off (Manual Cut Off)
	(Auto Cut Off is switched off)
36	Green Cut Off (Manual Cut Off)
	(Auto Cut Off is switched off)
37	Blue Cut Off (Manual Cut Off)
	(Auto Cut Off is switched off)
38	Y-Filter adjustment (Trap is switched off and TDA
	9145 is switched in forced NTSC Mode)
39	dummy
40	Tenth entry is deleted
41	Default setting of CXA 1587/S
	(Only in Plog 99 available)
42	Default setting of CXA 2018
	(Only in Plog 99 available)
43	Default setting of CXA 1526
	(Only in Plog 99 available)
44	(all Port High) Not yet
45	(all Port High) Not yet
46-48	dummy
49	Erease the NVM Testbyte (this byte detects already
	stored NMV's) After selecting this function, switch
	TV Off and On $ ightarrow$ the NVM will be preset by μ -
	Controller. (Not the channel data)

Note: For No. 35, 36, 37 and 38 special pressing (AKB, forced Color Mode, Trap) is selected.

After selecting a new Test Mode Number, the AKB is switched ON, the Trap is switched On and TDA 9145 is switched to Auto Search Mode.

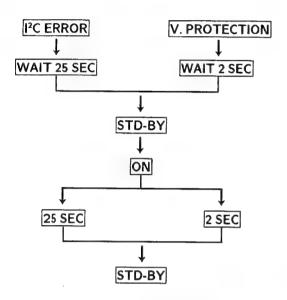


In Test Mode 2 the Menu display is switchable by Speaker-Off button.

4-4. ERROR MESSAGE

Self diagnos system can operates as follows.

 When MP can't get the acknowledge back from the device, LED starts flashing according to the table as attached.



In case of more errors in parallel, the blinking error shows max. Priority according to the error number (e.g. error 2 and error 5 appears together, then LEDs shows error 2).

TABLE OF ERRORS

ERROR COUNT	IC TYPE	FUNCTION
1	I C BUS	SDA low
2	X 24 C 16	EEPROM
3	SDA 3202	Tuner PII
4	TDA 9145	Colour decoder
5	CXA 1587S	RGB/Jungle
6	TDA 6612	Sound processor
7	CXD 2018	V deflection
8	CXA 1545	AV switch
11	SDA 5248	Text
13		V protection

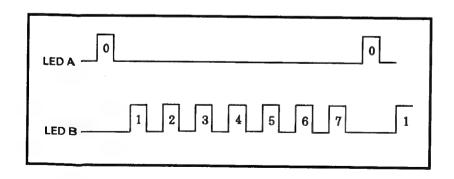
Stand by LED blinking

No IK return

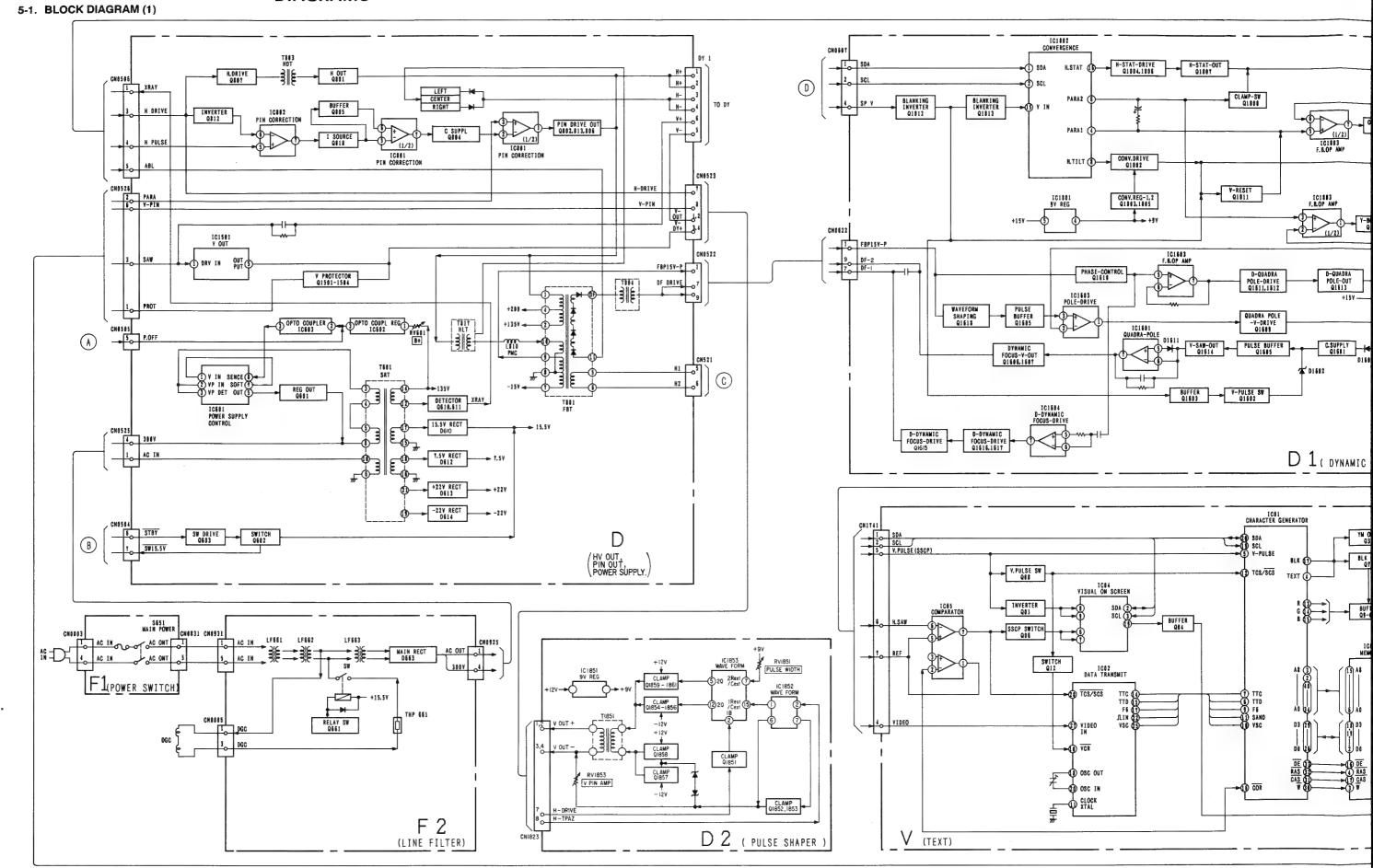
4-5. ERROR II C BUS DIAGNOSIS SYSTEM IN AE 2 CHASSIS

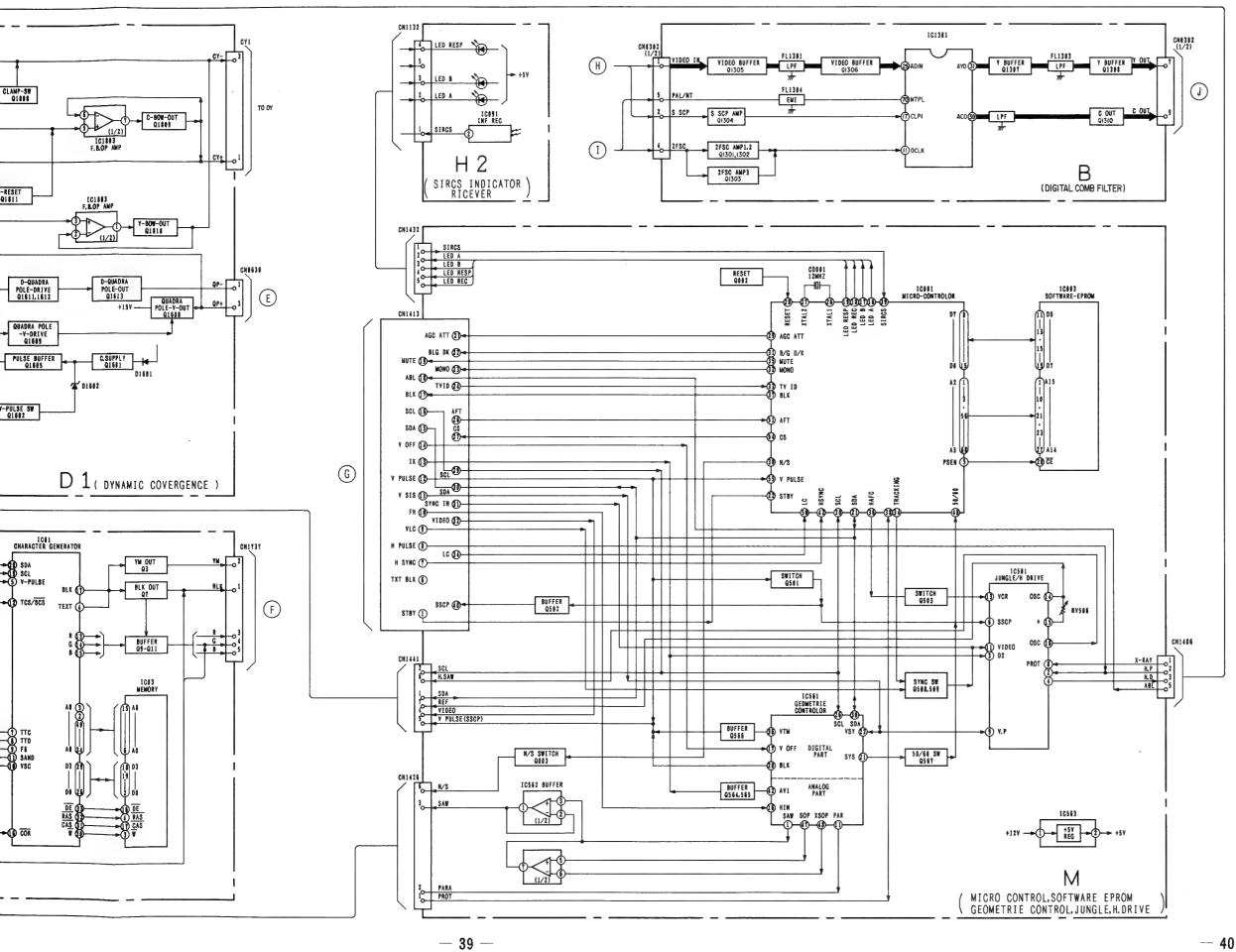
For all ICs in AE 2 chassis which are necessary to get picture and sound there is a built in error I²C Bus diagnosis system.

In case of no acknowledge bit, LED A and LED B starts blinking as shown.

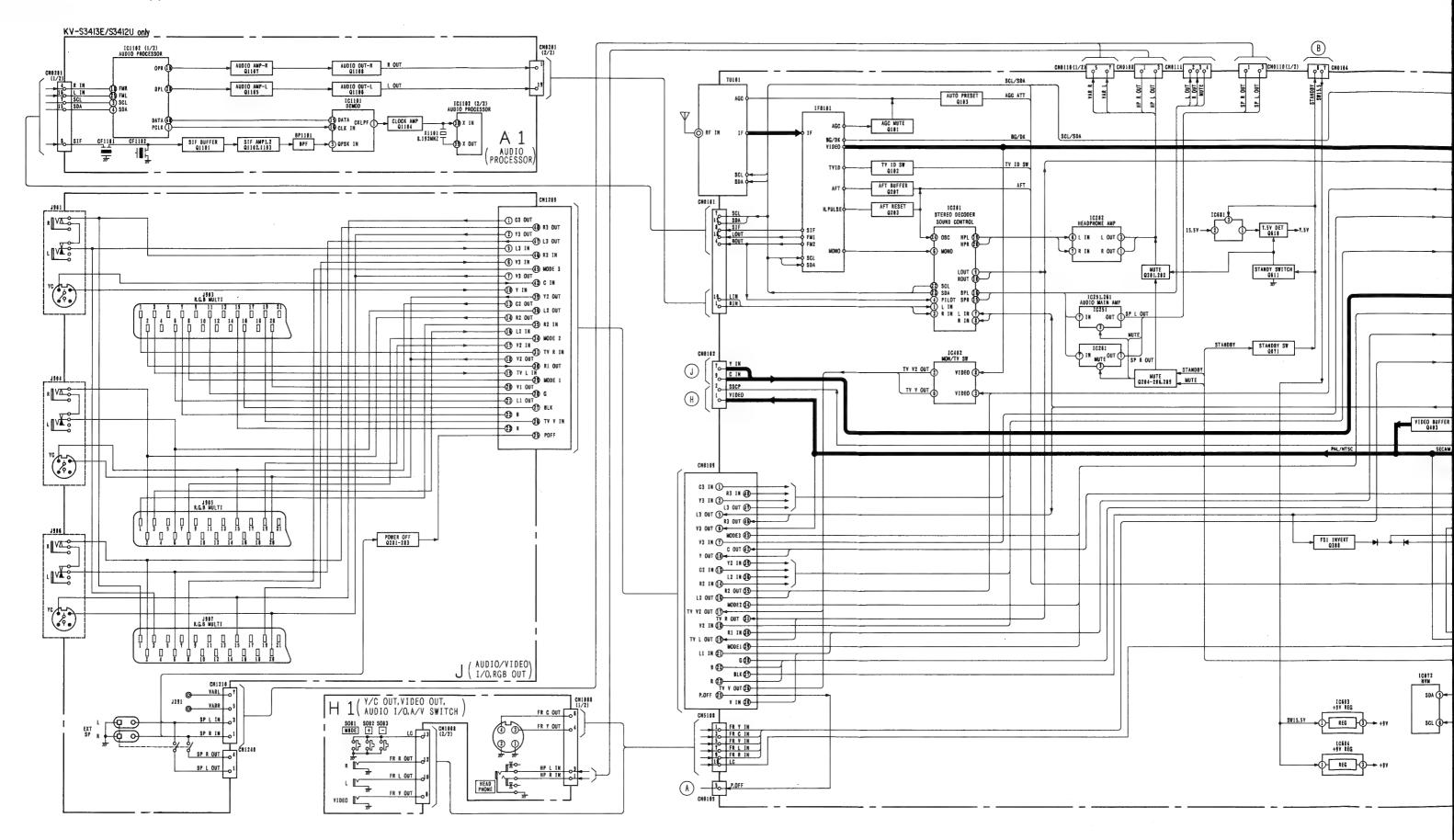


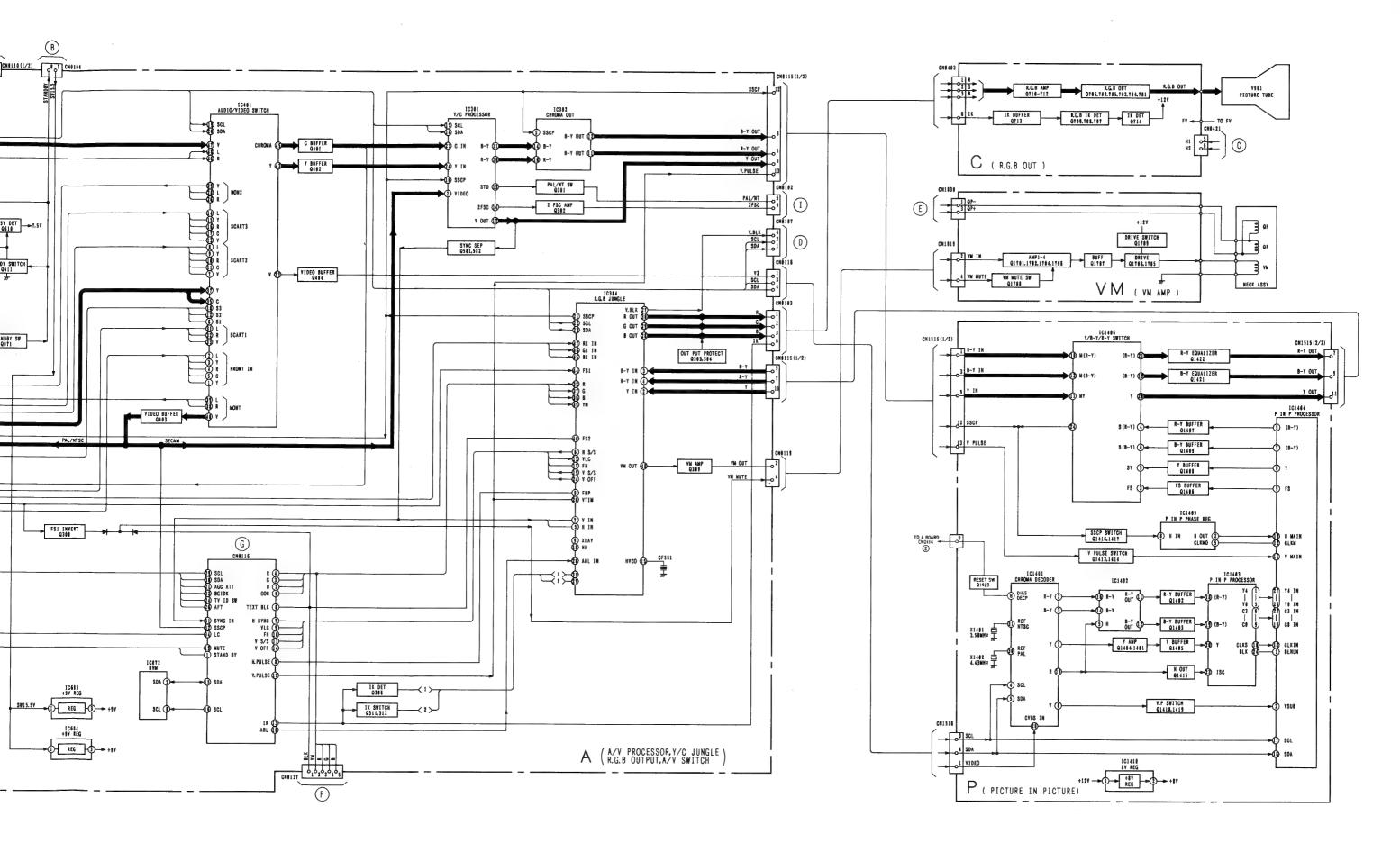
DIAGRAM



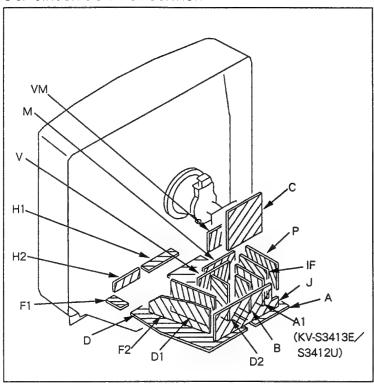


5-2. BLOCK DIAGRAM (2)





5-3. CIRCUIT BOARDS LOCATION



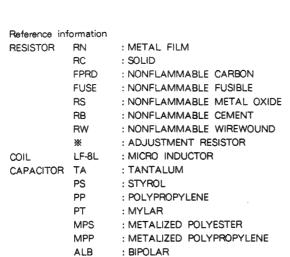
5-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μ F unless otherwise noted. pF: μ μ F 50WV or less are not indicated except for electrolytic.
- Indication of resistance, which dose not have one for rating electrical power, is as follows.

Pitch: 5mm Rating electrical power: 1/4W

- · Chip resistor is in 1/10W.
- All resistors are in ohms. $k \Omega = 1000 \Omega$, $M \Omega = 1000 K \Omega$
- · w : nonflammable resistor.
- · w : fusible resistor.
- \triangle : internal component.
- panel designation or adjustment for repair.
- All variable and adjustable resistors have charactristic curve B, unless otherwise noted.
- : earth ground
- · : earth chassis
- · All voltages are in V.
- Readings are taken with a $10M\,\Omega$ digital multimeter.
- · Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- === : B + bus.
- ==: B bus.
- signal path.(RF)

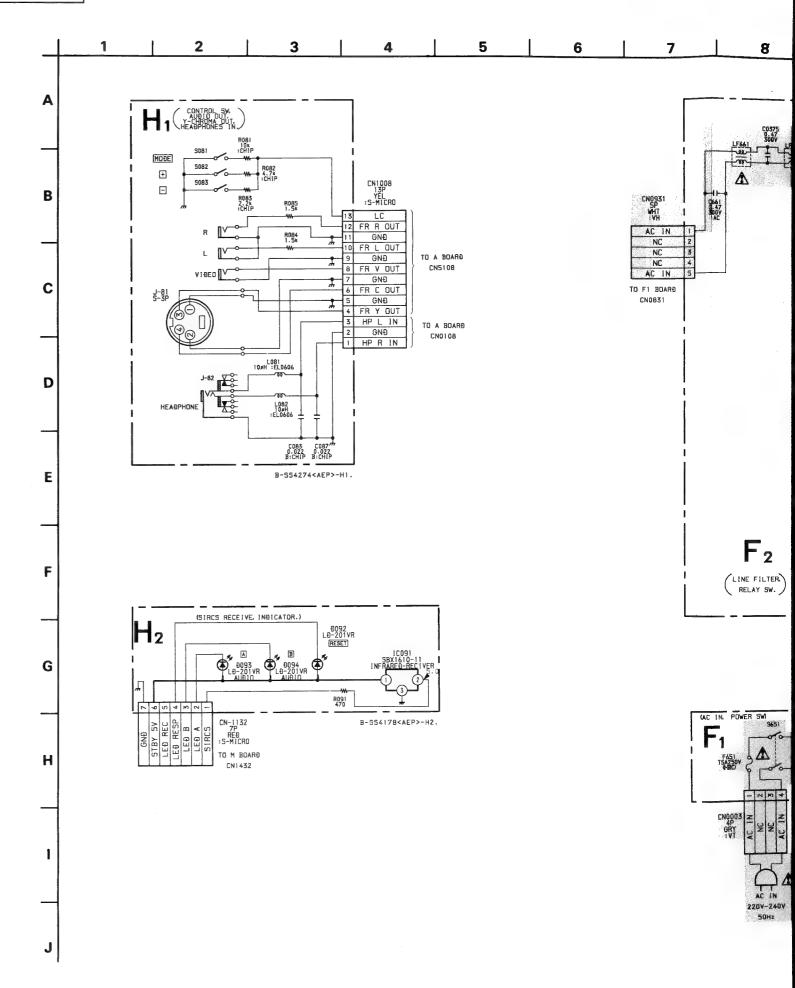


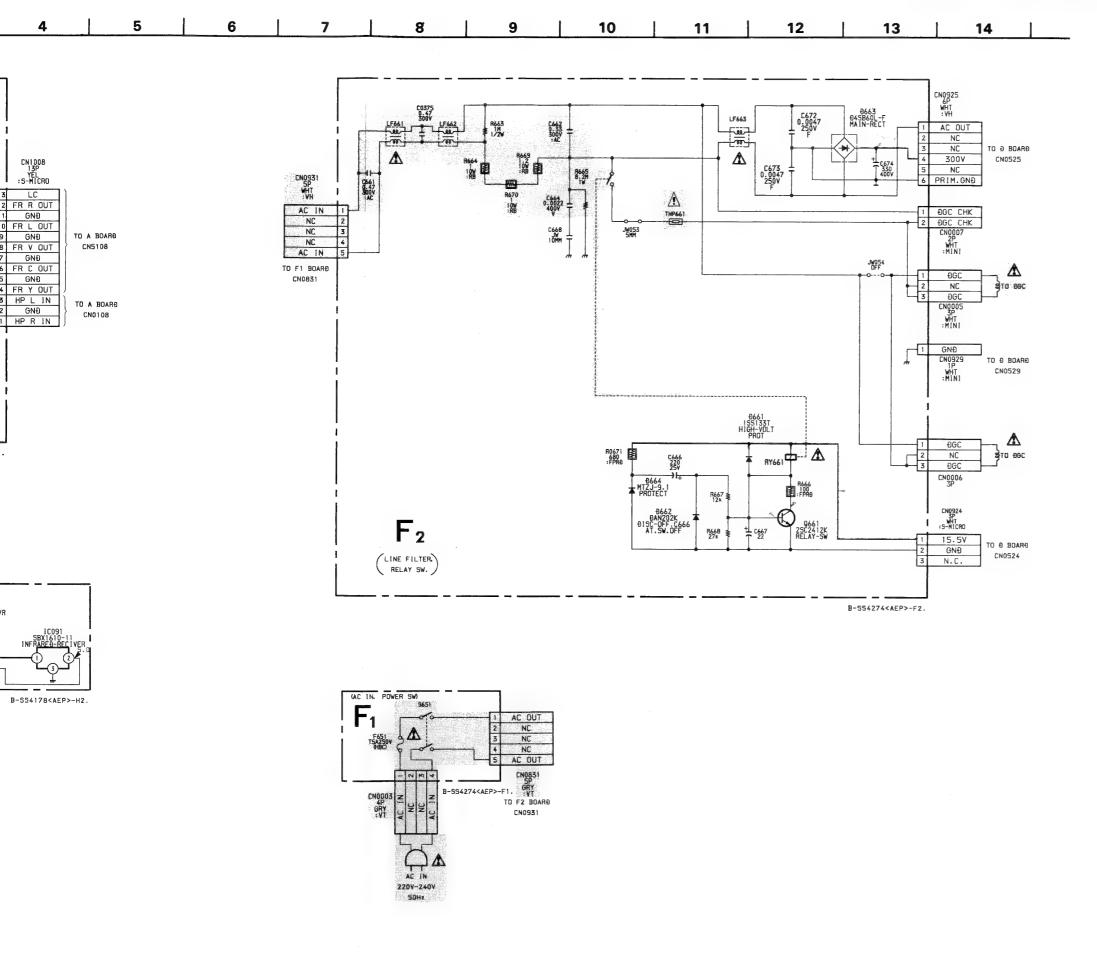
ALT : HIGH TEMPERATURE
ALR : HIGH RIPPLE

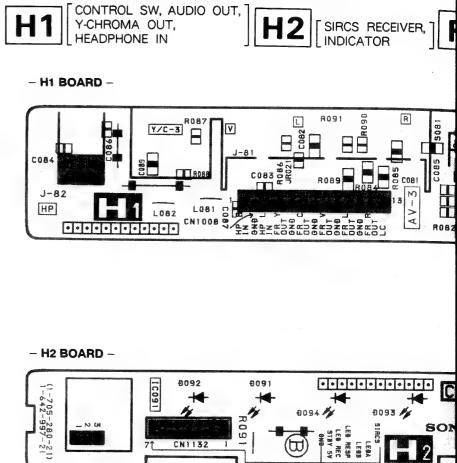
Note: The components identified by shading and mark

A are critical for safety. Replace only with part number specified.

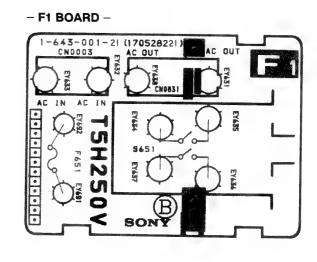
Note: Les composants identifiés par une trame et par une marque A sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

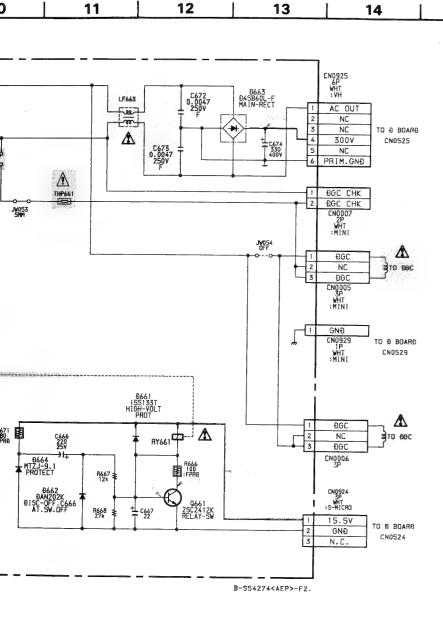




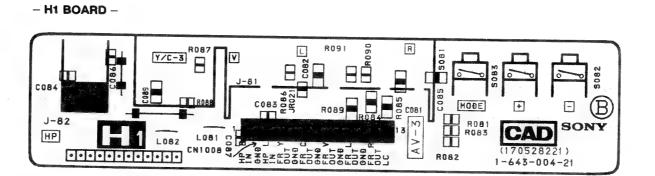


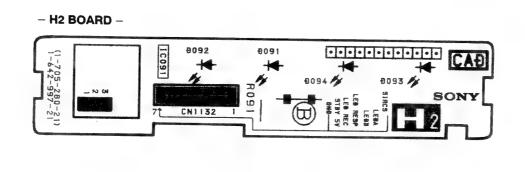
(1)

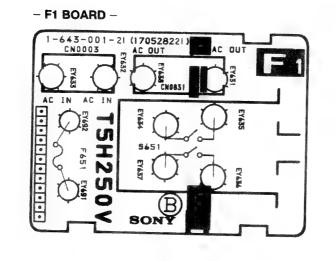


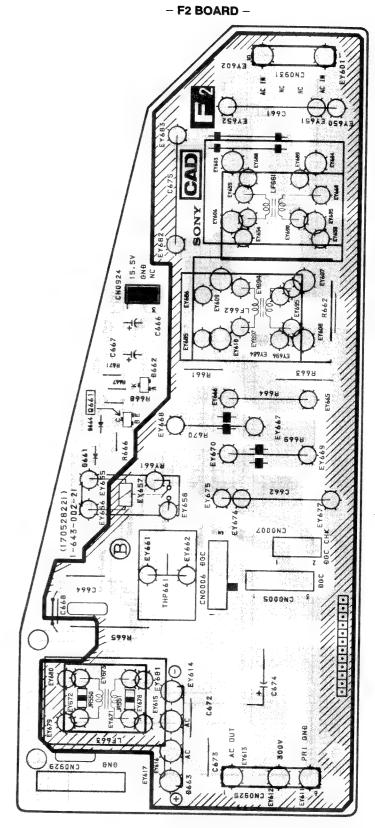


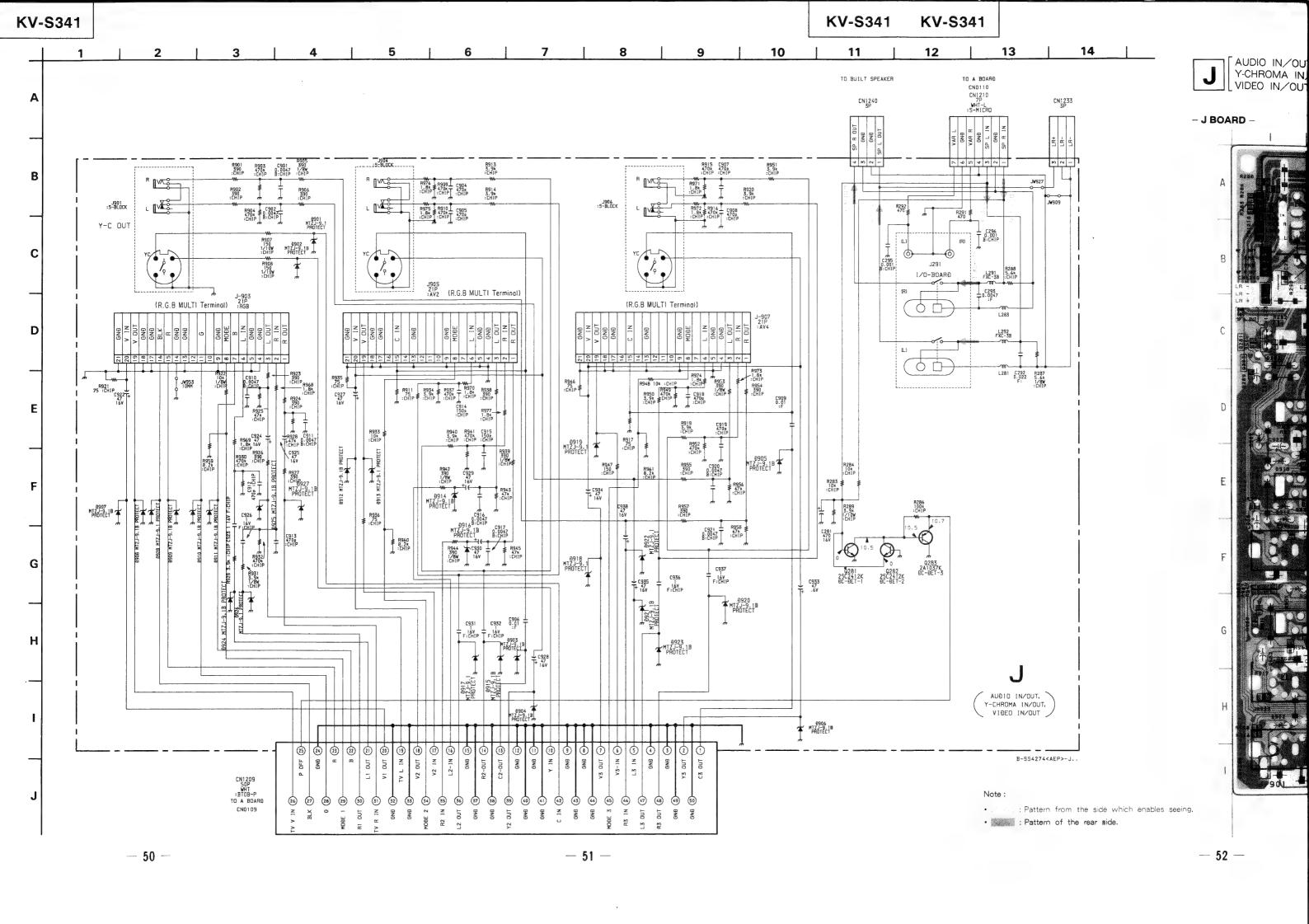














TO A BOARD CN0110 CN1210 7P WHT-L :S-MICRO

> L291 R288 5.6k FXC-3B CHIP

> > L281 C292 R287 0.022 5.6k F: 1/8W :CHIP

12

KV-S341

KV-S341



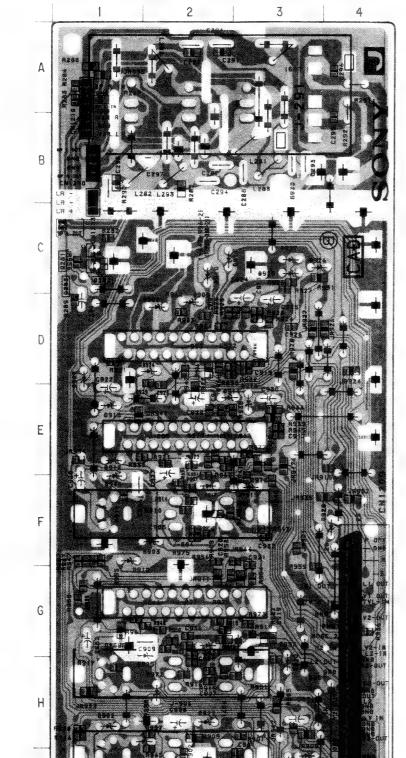
- A BOARD -

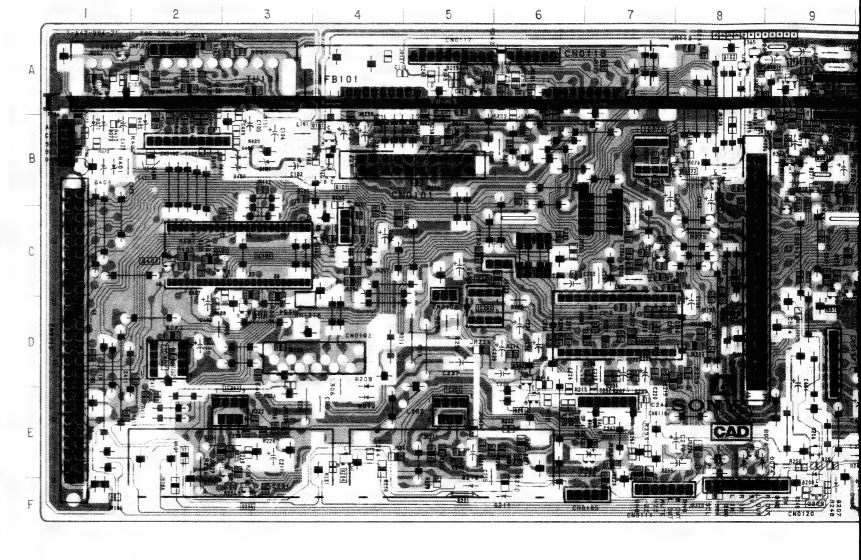
AUDIO IN/OUT, Y-CHROMA IN/OUT, VIDEO IN/OUT TUNER, AUDIO, CONTROL, AUDIO AMP AV SWITCH, RGB JUNGLE, Y/C PROCESSOR





14





TRANS	ISTOR	D912 D913	E - 1 E - 1
Q281 Q282	C - 1 C - 1	D914 D915 D916 D917	F-2 F-3 E-3
DIO	DIODE		1-3
D901 D902 D903 D904 D905 D906 D907 D908 D909 D910 D911	H-2 H-1 F-2 F-1 G-2 H-2 D-1 D-2 C-2 C-2	D919 D920 D921 D922 D923 D924 D925 D926 D927 D928	F-1 H-3 I-3 H-2 G-2 D-2 C-3 C-3 F-4

Note:

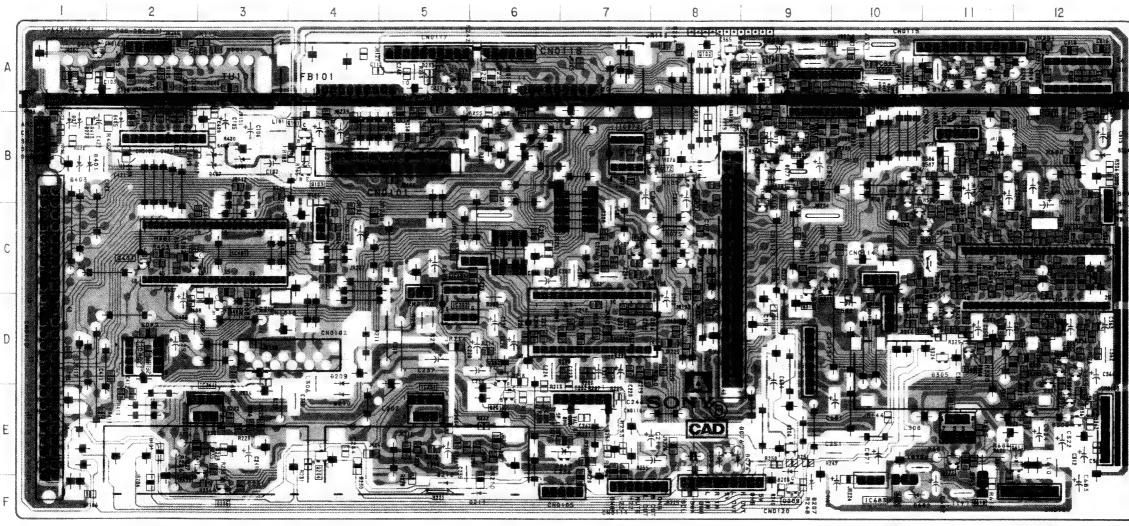
AUÐIÐ IN/OUT, Y-CHROMA IN/OUT, VIÐEÐ IN/OUT

- Pattern from the side which enables seeing.
- · Pattern of the rear side.

B-554274<AEP>-J..

AUDIO, CONTROL, AUDIO AMP] TCH, RGB JUNGLE, ROCESSOR





	0103	B – 4	0210	E-4
132° = 17 () = 1 () 1 ()	Q201	E-6	D211	F - 6
	Q202	D-6	D212	F - 5
0305 T 1000 T 1000	Q203	A - 5	D213	E - 7
	Q204	E – 4	D301	B - 10
	Q205	F - 3	D302	A - 11
44 CF 1 TO CHE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Q206	E - 3	D304	B - 12
1398	Q207	B - 8	D305	D - 11
36540VIII	Q209	F – 9	D306	D-12
一等十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二	Q210		D307	E-12
	Q301	A - 9	D308	E - 12
T-10-1-10-1-10-1-10-1-10-1-10-1-10-1-10	Q302	B - 9	D311	D - 11
[C683]	0303	D - 12	D381	C - 10
	Q304	D - 12	D401	B - 1
	Q305	A - 10	D403	B - 1
	Q306	E - 12	D405	B - 2
Note:	Q308	D - 11	D406	B - 3
•	Q309	D - 11	D407	B - 3
· : Pattern of the rear side.	Q311	C - 9	D571	C - 11
	Q312	C - 9	D682	F - 10
	Q313			
	Q401	C - 2		
	Q402	C - 2		
	1		1	

D - 3

IC

D - 7

D-5

E-5

E-3

A - 9

A - 12

C-12

C - 3

D - 2

E - 11

F - 10

C-6

A - 8

B - 4

TRANSISTOR

IC201

IC202

IC251

IC261

IC301

IC302

IC304

IC401

IC402

IC681

IC683

IC684

Q101

Q102

Q103

Q402 Q403

Q404

Q581 Q582

Q610

Q611

D068

D069

D071

D073

D075

D078

D079

D101

D206

D207

D208

D209

D210

C - 4 C - 11

C - 10

F - 11

E - 12

F - 10

B - 9

A - 1

B - 1

B - 1

A - 1 B-9

B - 9

B - 9

B - 3

E-9

F-9

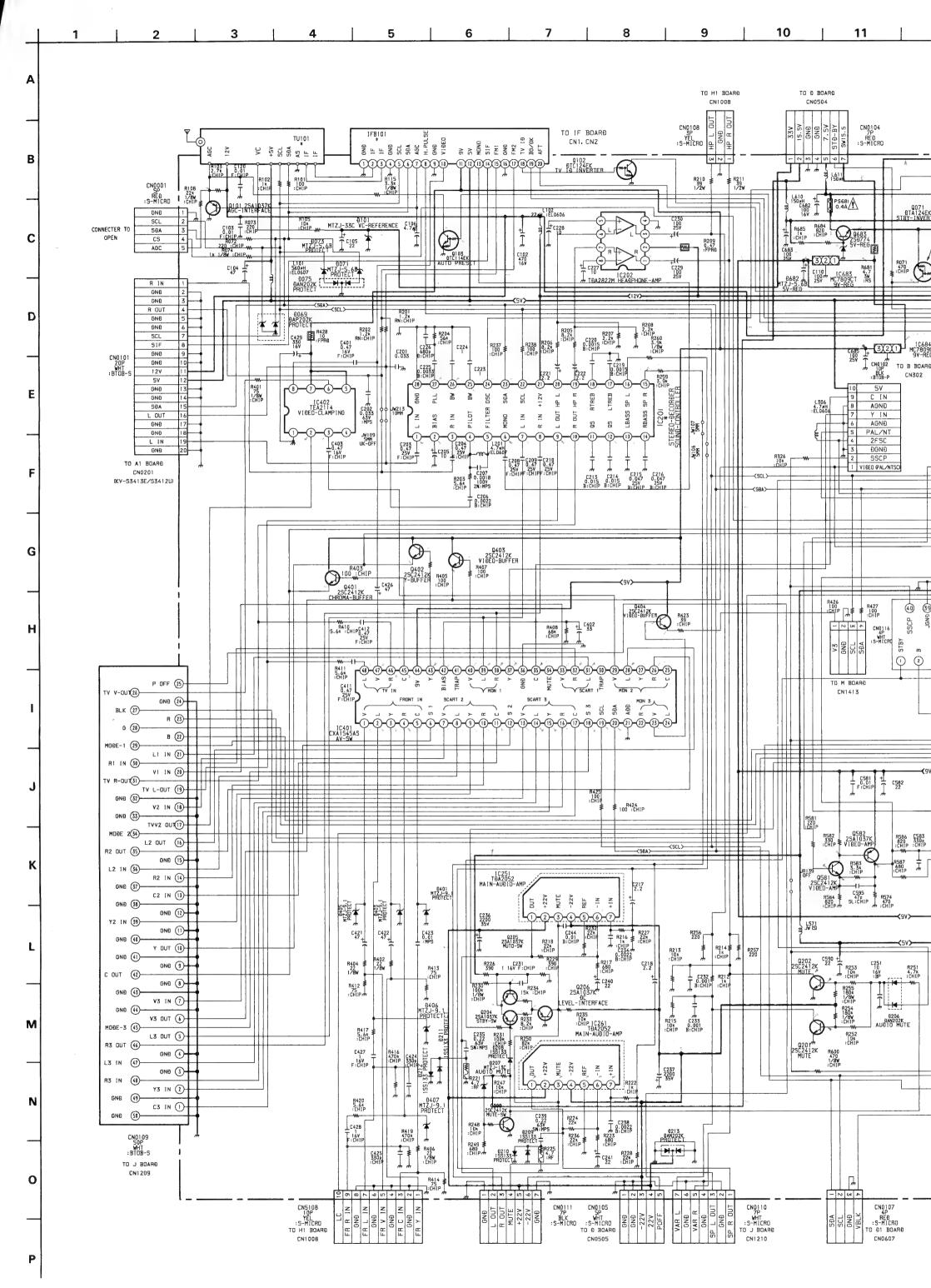
E-9

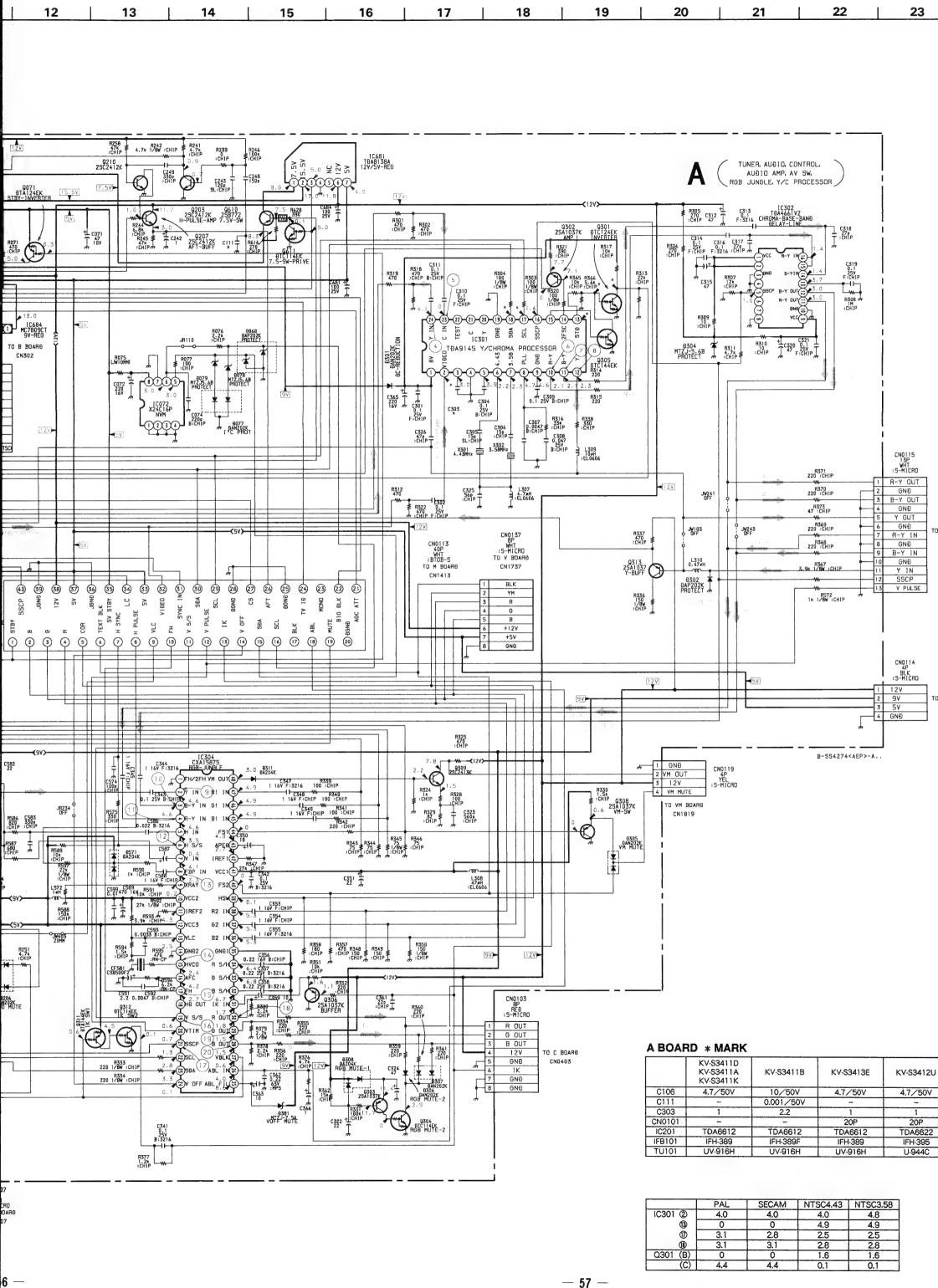
E - 4

E - 4

DIODE

TRANS	ISTOR	D912 D913	E – 1 E – 1
Q281 Q282	C - 1 C - 1	D914 D915 D916	F - 2 F - 3 E - 3
DIO	DE	D917 D918	F ~ 2 I ~ 3
D901 D902 D903 D904 D905 D906 D907 D908 D909 D910 D911	H-2 H-1 F-2 F-1 G-2 H-2 D-1 D-2 C-2 C-2	D919 D920 D921 D922 D923 D924 D925 D926 D927 D928	F-1 H-3 I-3 H-2 G-2 D-2 C-3 C-3 C-3 F-4







CN0115 13P WHT :S-MICRO

R-Y OUT B-Y OUT GNĐ

Y DUT

GNÐ R-Y IN

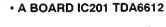
GNÐ B-Y IN

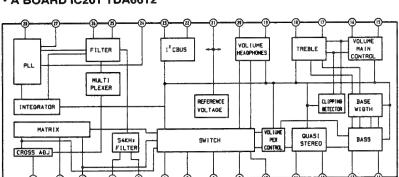
GNĐ Y IN

BĽK :S-MICRO

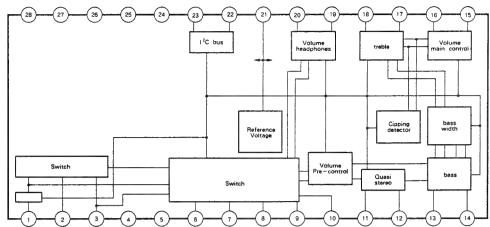
TO P BOARD CN1515

TO P BOARD CN1514

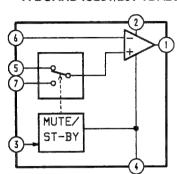




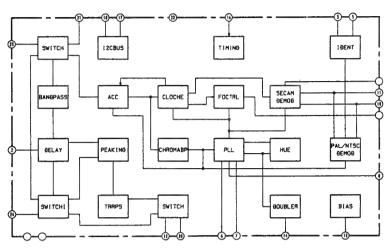
A BOARD IC201 TDA6622 (UK Model only)



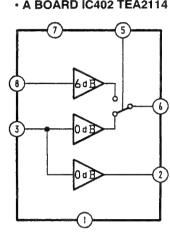
• A BOARD IC251/261 TDA2052

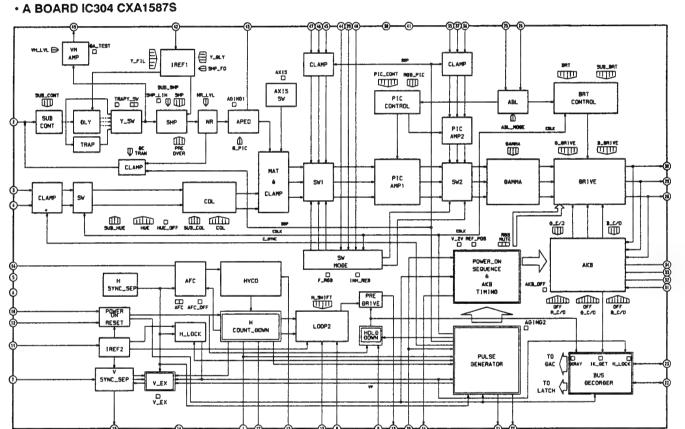




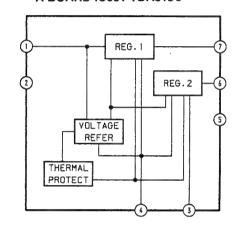


• A BOARD IC402 TEA2114

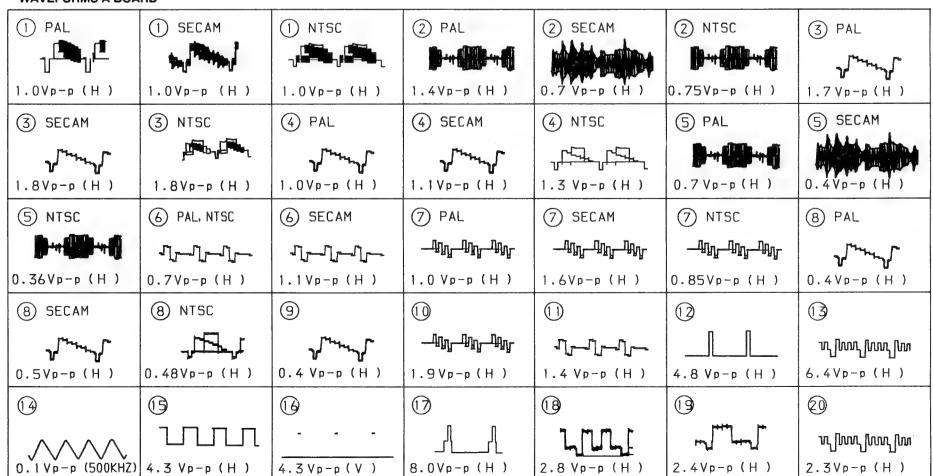


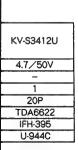


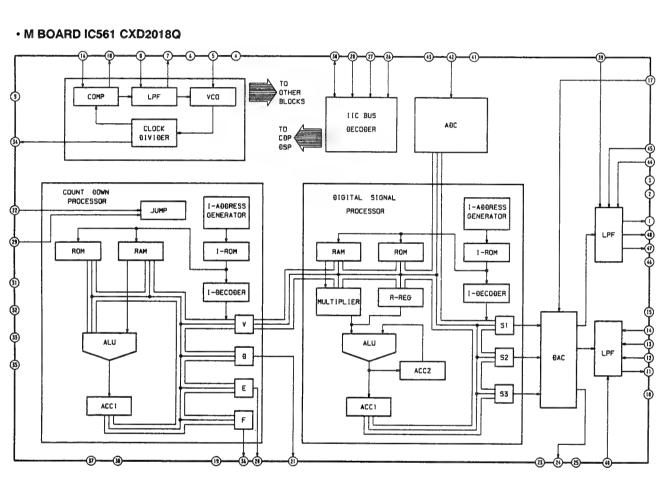
• A BOARD IC681 TDA8138

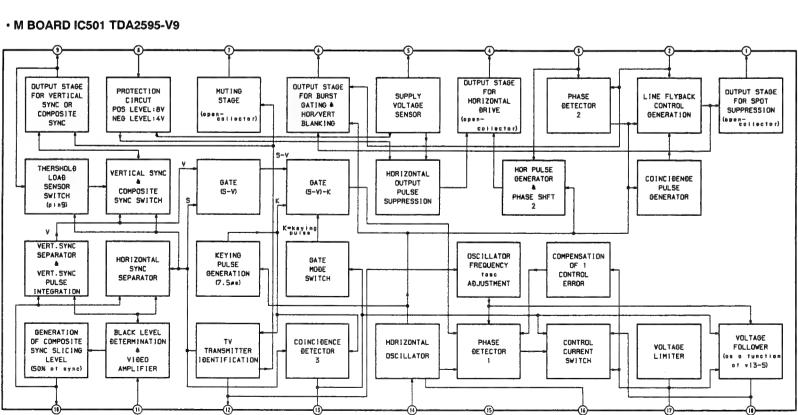












В

C

D

Ε

G

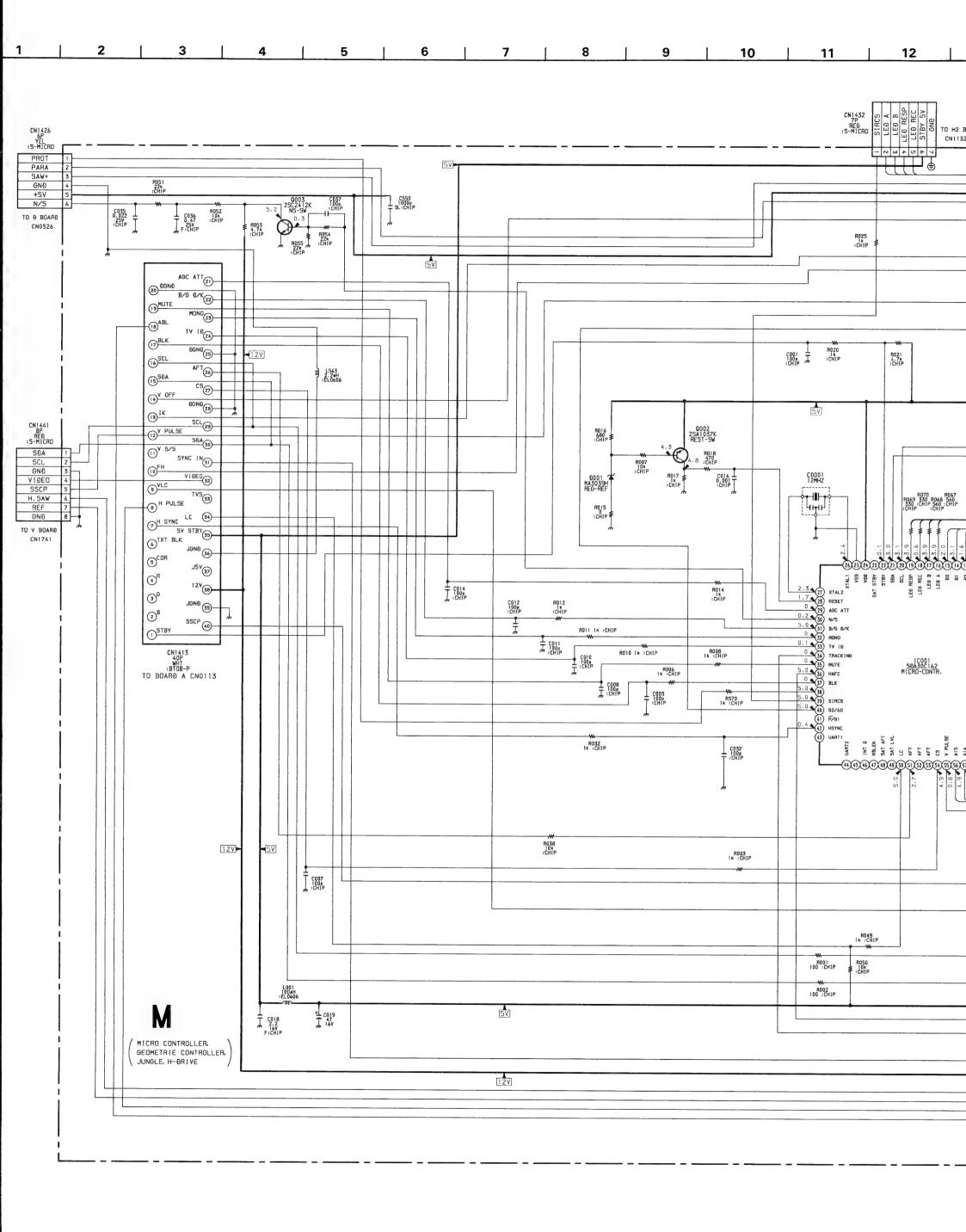
Н

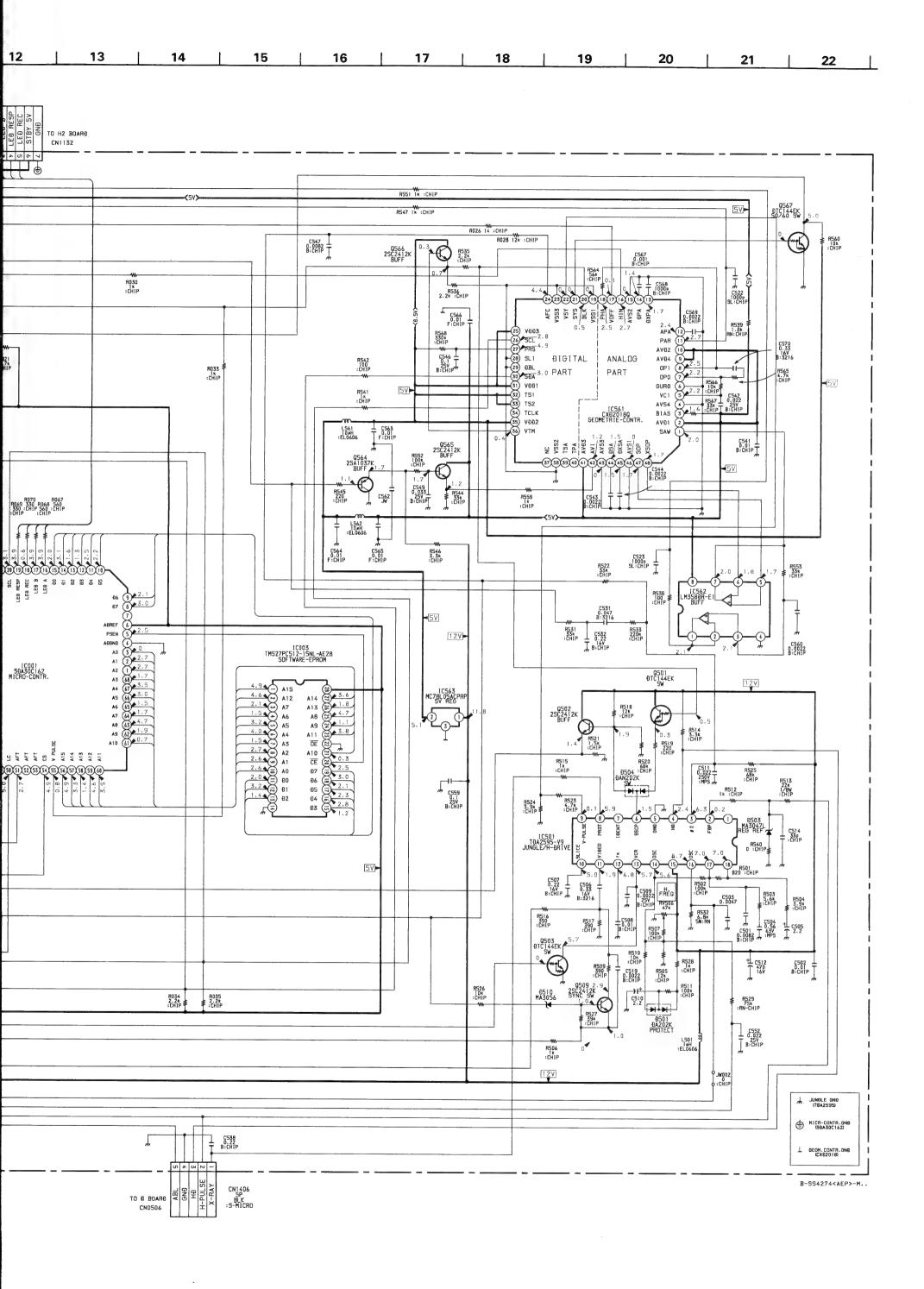
Κ

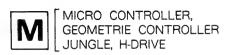
M

N

0

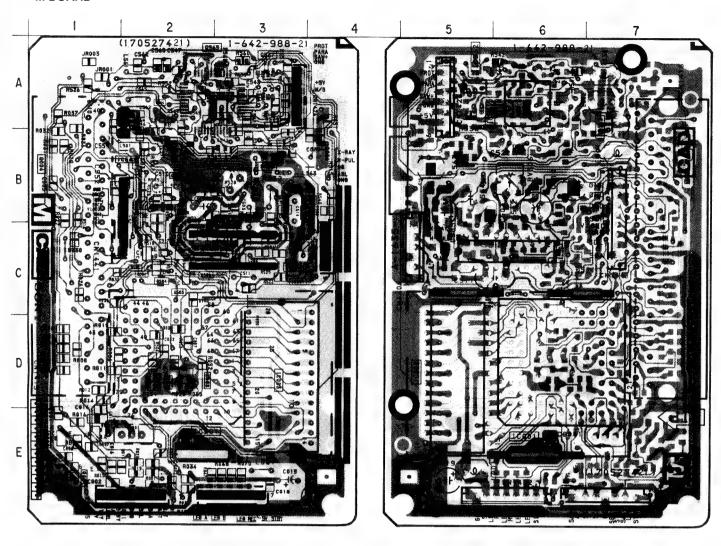








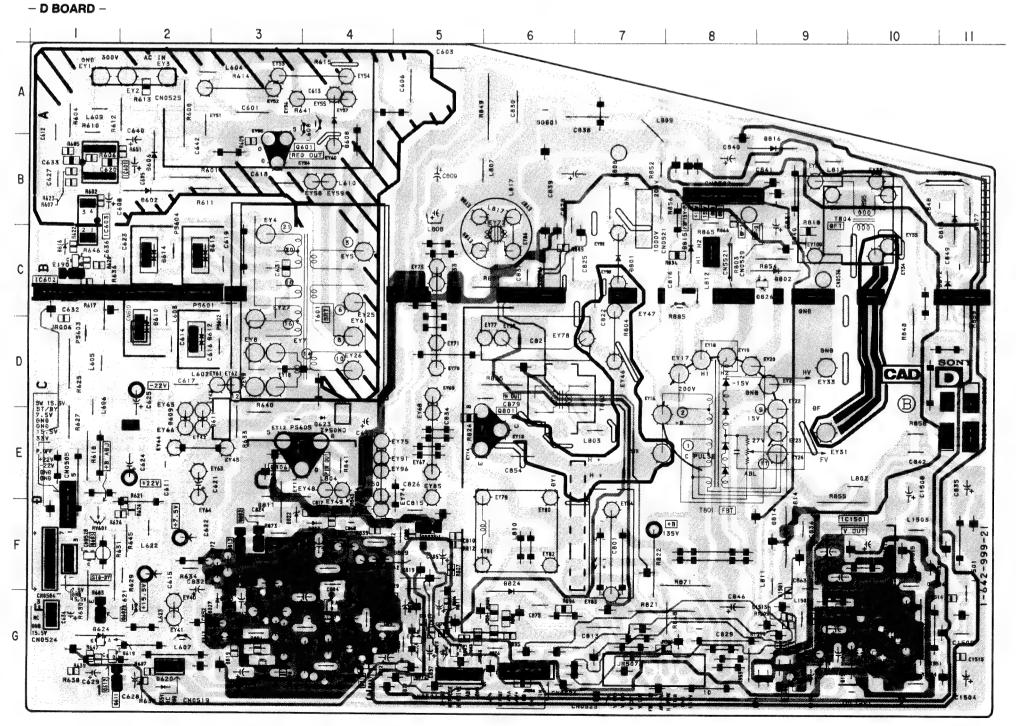
- M BOARD -



	С	DIC	ODE
IC001 IC003 IC501 IC561 IC562 IC563	D-2 D-3 C-3 A-6 A-5 A-7	D001 D501 D503 D504 D510	E-1 B-2 C-4 C-2 A-1
	SISTOR		IABLE STOR
Q002 Q003 Q501 Q502 Q503 Q508 Q509 Q564 Q565 Q566	E-1 D-2 C-2 B-2 C-2 C-2 B-2 A-2 A-2 B-3 A-3	RV506	

Note:

- 1988 : Pattern from the side which enables seeing.
- · Pattern of the rear side.



- Pattern from the side which enables seeing,

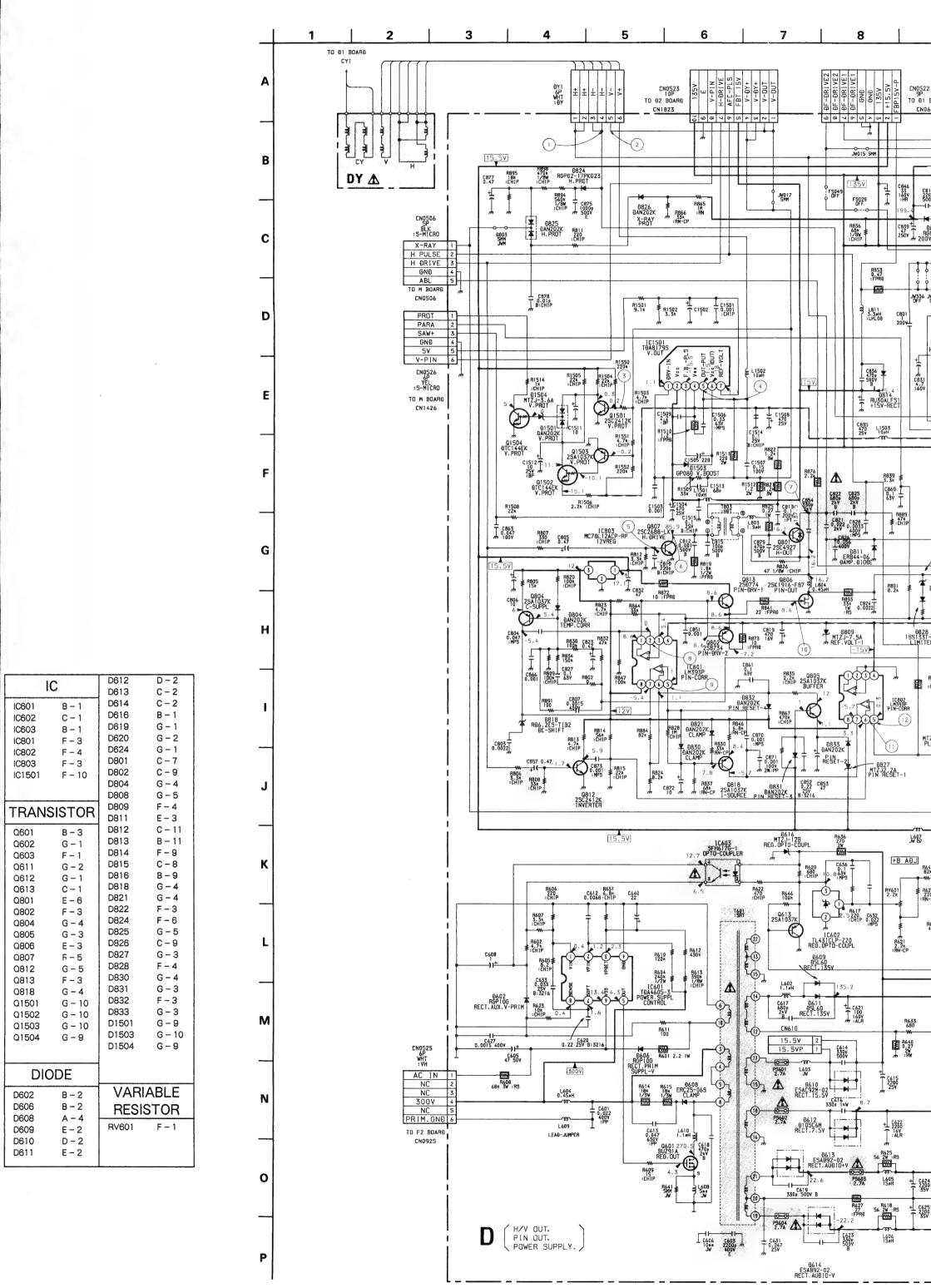
IC802 IC803 IC1501 **TRANS** Q601 Q602 Q603 Q611 Q612 Q613 Q801 Q802 Q804

IC601 IC602 IC603 IC801

Q806 Q807 Q812 Q813 Q818 Q1501 Q1502 Q1503 Q1504

Q805

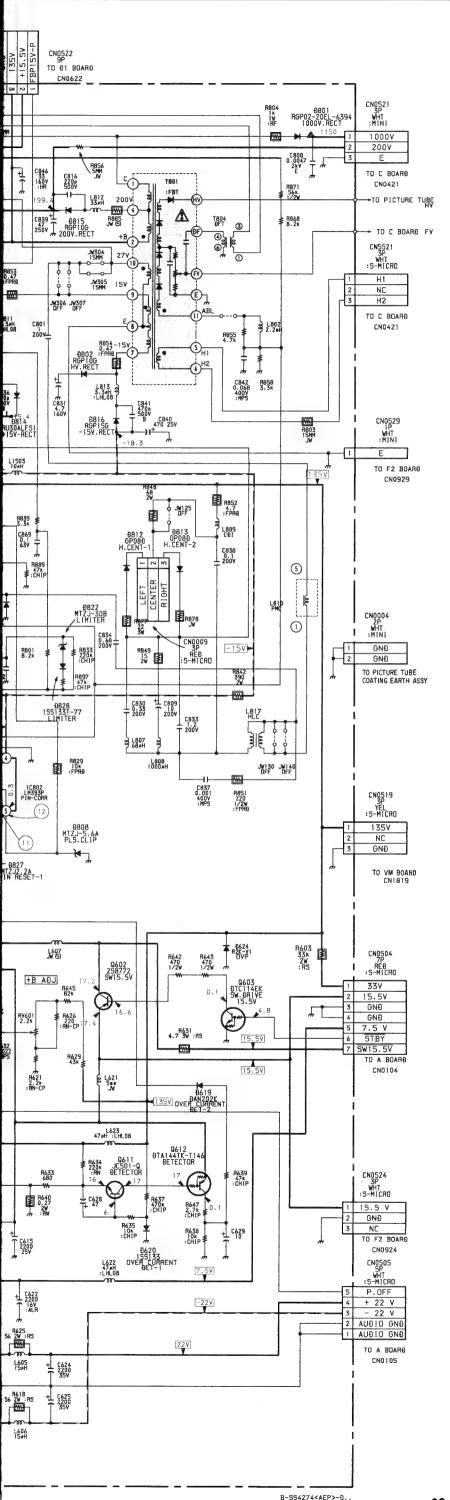
DIO D602 D606 D608 D609 D610 D611



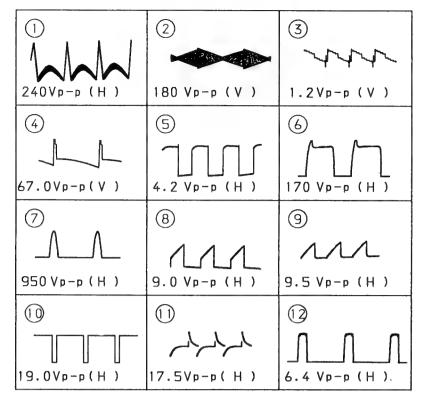
- 67 --

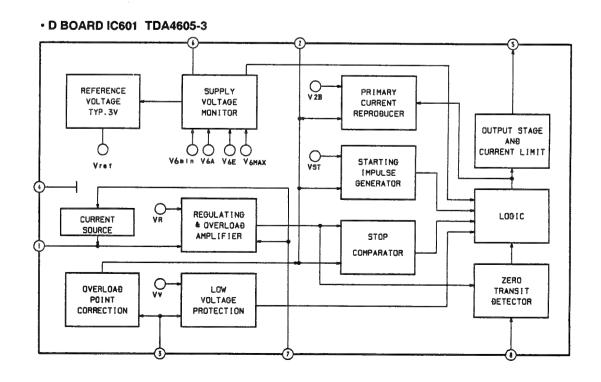
66 —

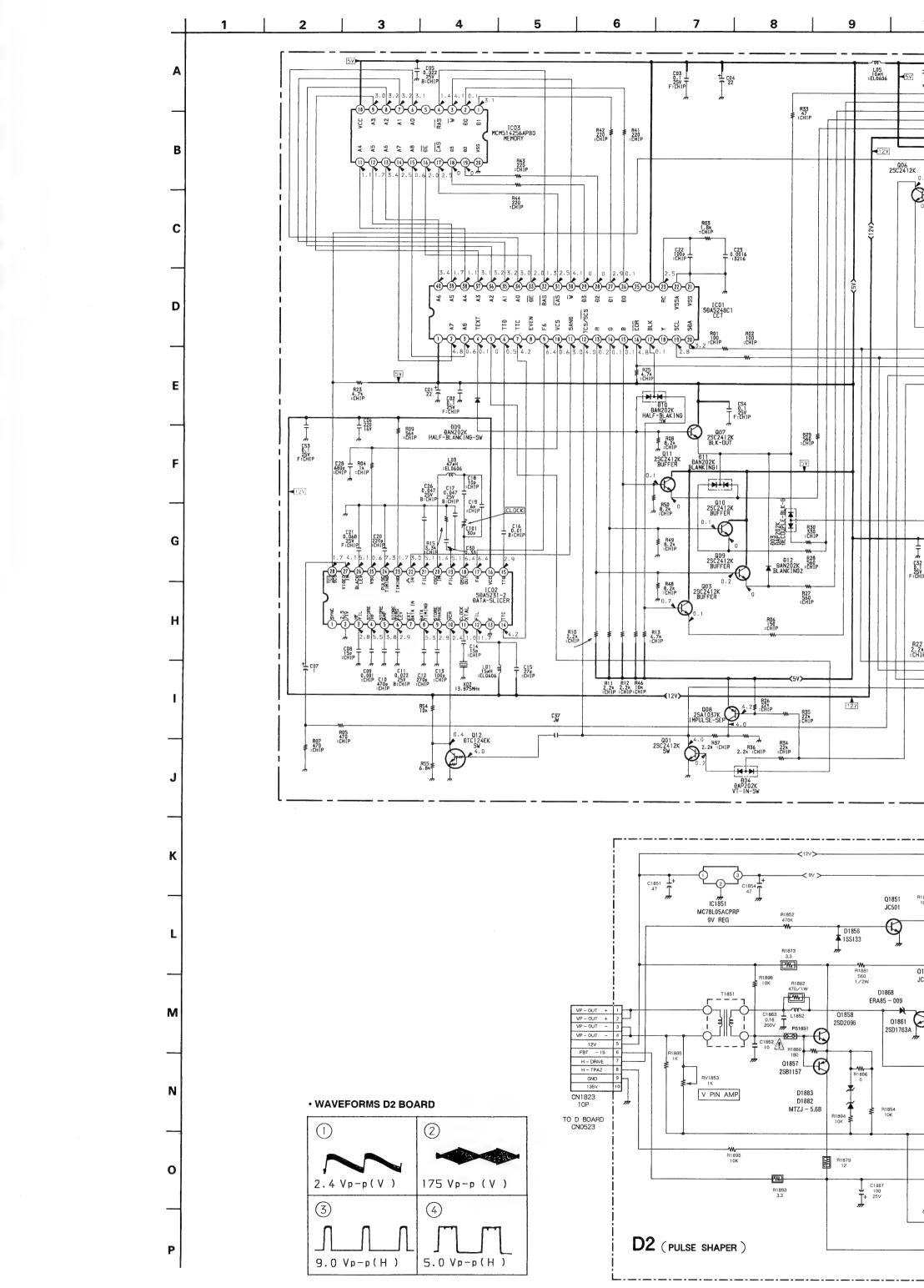
9 | 10 | 11 | 12 | 13



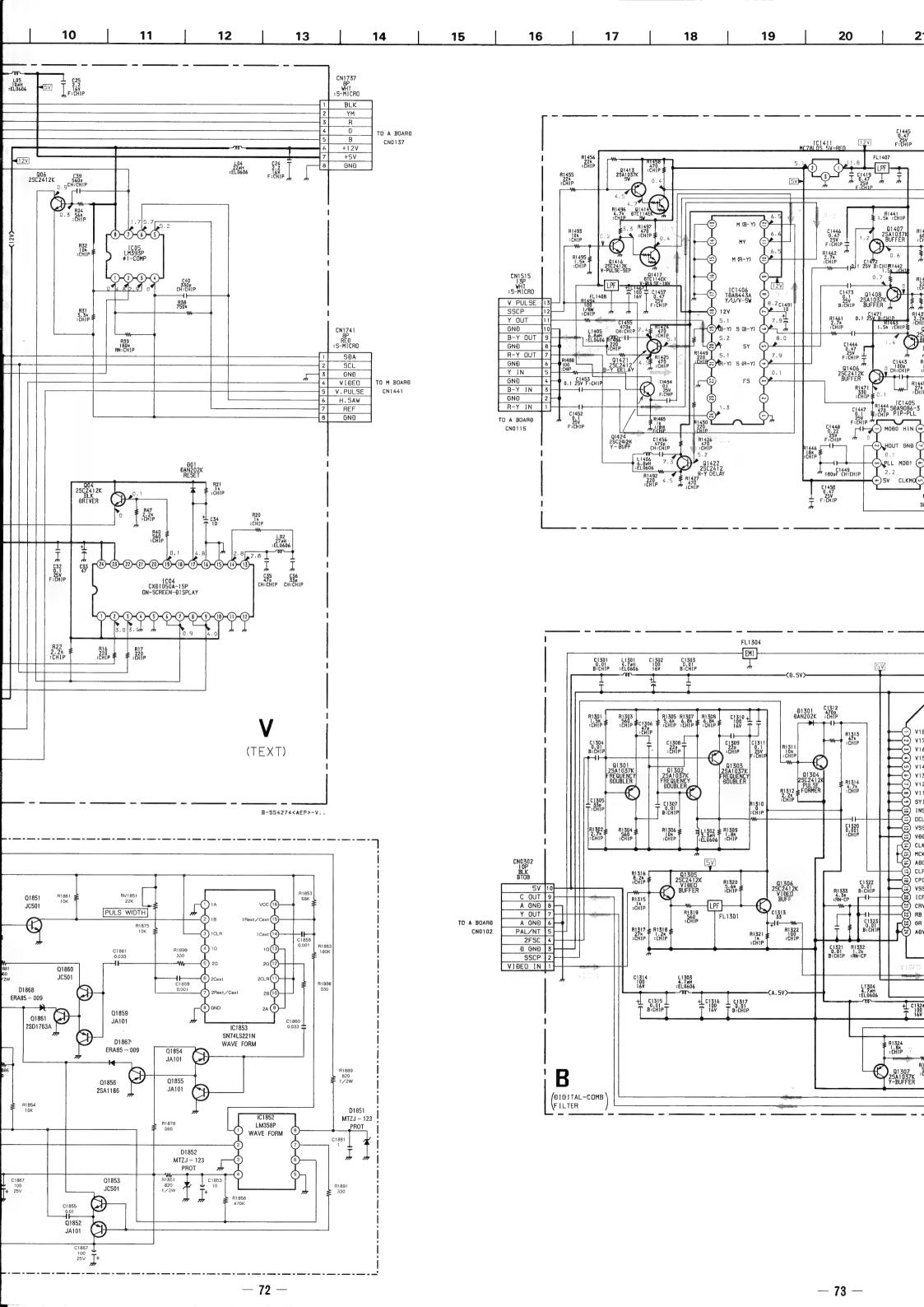
• WAVEFORMS D BOARD

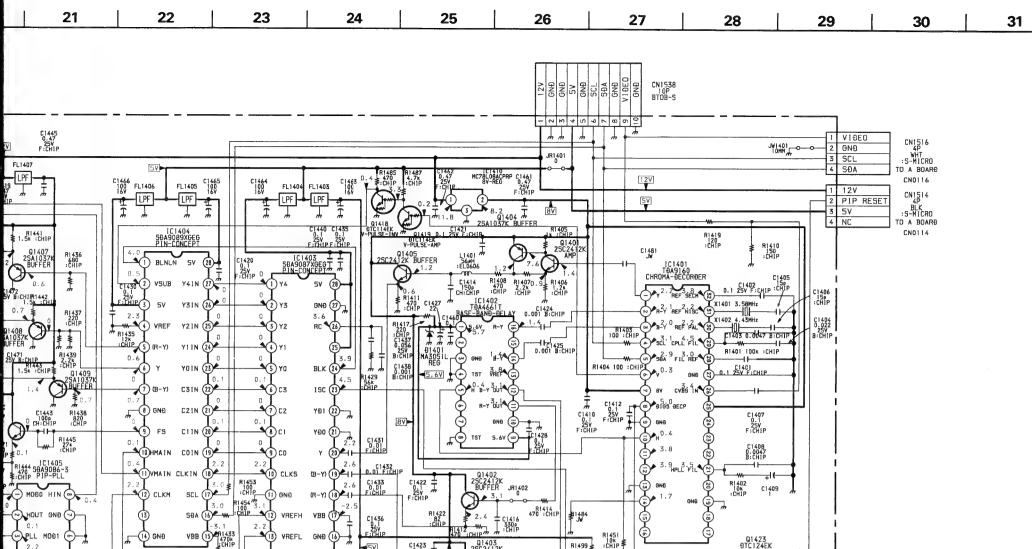






— 70 —





01402 2SC2412K BUFFER JR1402

2.4 T C1416 330p CHIP 77 : CHIP

470 :CHIP

R1451 10x :CHIP

2.4 T

01403 25C2412K BUFFER

87

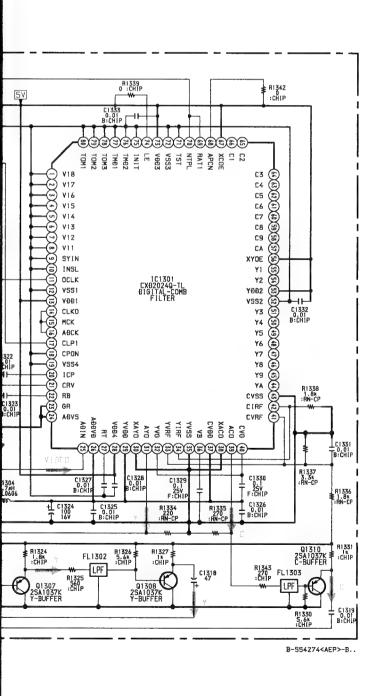
C1423 0.1 25v T 8V F:CHIP

0.01 F:CH

C1434 0.1 25V F:CHIP

YĐO (21) Y 20 41 H (B-Y) (19) 1 |-

0.1 25V F:CHI



4

VBB (15)471433 470k 1 CH16

C1442 0.47 25V F:CHIP

MOĐO HIN

O HOUT GNĐ

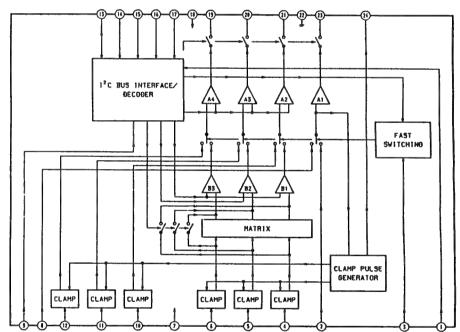
O.1

W PLL MOĐ1

2.2

C1429] 680 SL:CHIP

• P BOARD IC1406 TDA8443A



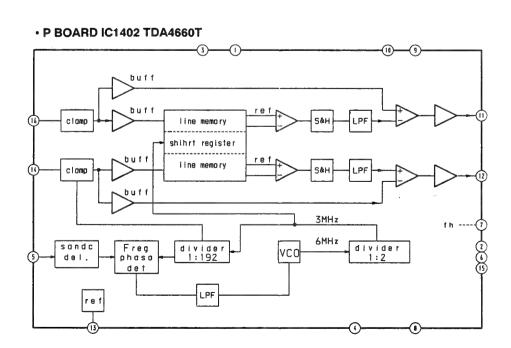
C1409

Q1423 0TC124EK

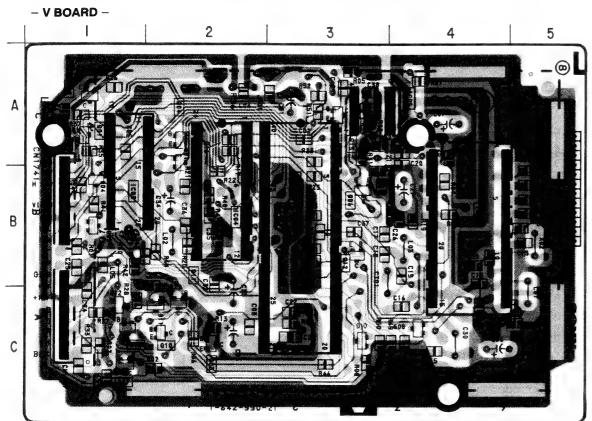
P (PICUTURE IN PICUTURE)

R1463 1k

B-554274<AEP>-P..



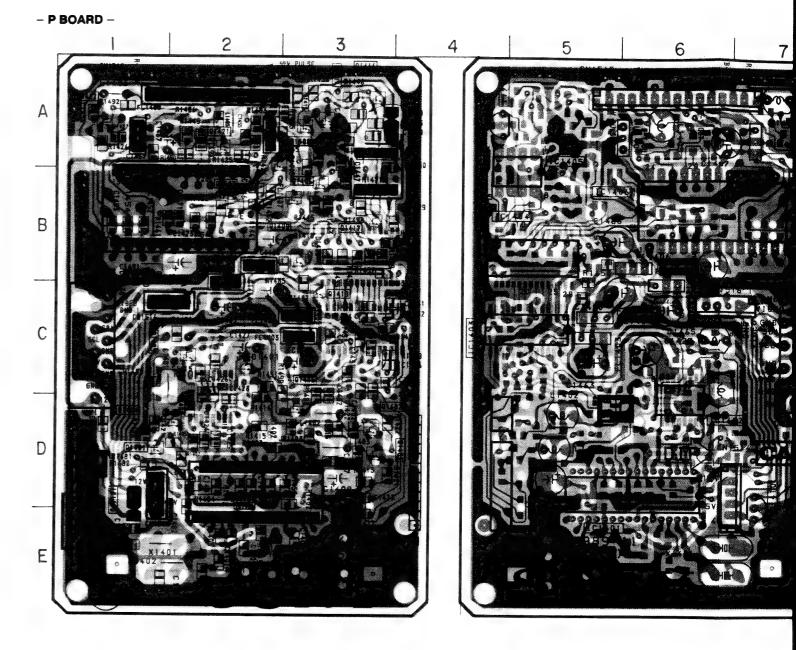




- D2 BOARD -

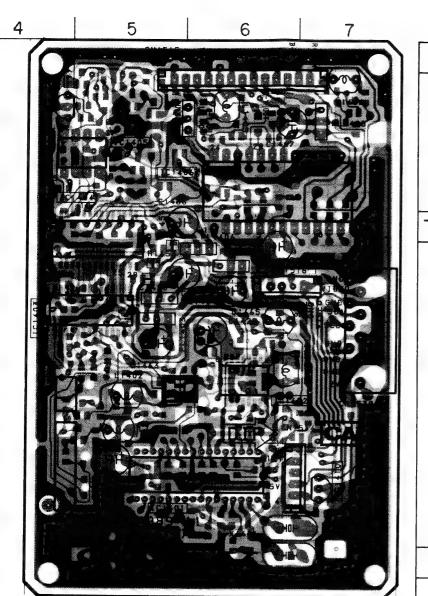
- Pattern from the side which enables seeing.
- Pattern of the rear side.

D 2 SONY		IC	DI	ODE
STANDARD CONTROL CONTR	IC01	B - 3	D01	A - 2
	IC02	B – 4	D03	B - 1
W FIR AND	IC03	B 1	D04	B - 1
IRIBBA (VIII)	ICO4	B-2	D09	C - 4
RIFES W-W	IC05	A - 4	D010	C-3
RIANATONIA BIANA			D011	C-2
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			D012	C-1
ES2 - E E E	TRAN	SISTOR		
TIME ELECTRON	1117/114	010 1 011	TRIN	MER
BYEAR PLANE	Q01	A – 1	11111	All Allery f
THE BOOK STARS	003	C – 2	CT01	8 - 3
E1867 E F 2	Q04	A – 2		
#10)3 	006	B 3		
	Q07	C - 1		
	Q08	A - 1		
	009	C - 1		
4: 1 7 7 7 7	Q010	C-2		
Erasa Erasa	Q011	B – 2		
Deers II Takin B	Q012	B-3		
	1			



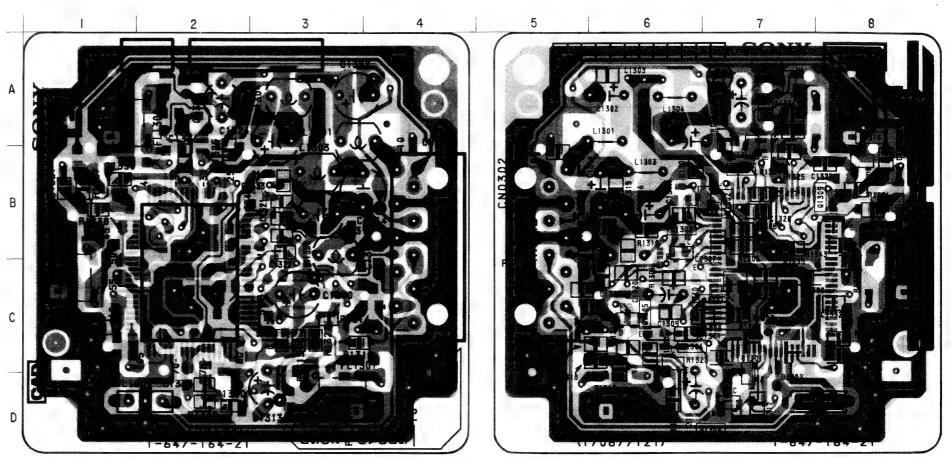
Note:

- Pattern from the side which enables s
- Pattern of the rear side.



1	I	С
	IC1401 IC1402 IC1403 IC1404 IC1405 IC1406 IC1410 IC1411	D-2 D-6 C-5 B-5 B-3 B-2 D-1 A-3
	TRANS	SISTOR
	Q1401 Q1402 Q1403 Q1404 Q1405 Q1406 Q1407 Q1408 Q1409 Q1413 Q1414 Q1415 Q1416 Q1417 Q1418 Q1419 Q1421 Q1422	D-1 D-3 D-2 C-2 B-2 A-3 B-3 A-3 B-3 B-3 C-2 A-1
	DIO	DED
,	D1401	C – 2

- B BOARD -



Note:

• 2000 : Pattern from the side which enables seeing.

TRA

Q130 Q130

Q130 Q130 Q130 Q130 Q130

Q1300 Q1310

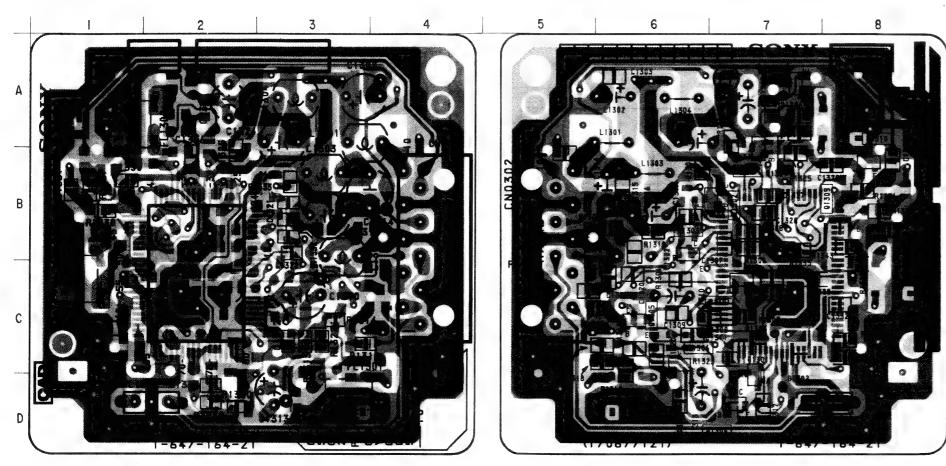
D130

• Pattern of the rear side.

Note

- | Pattern from the side which enables seeing.
- Pattern of the rear side.

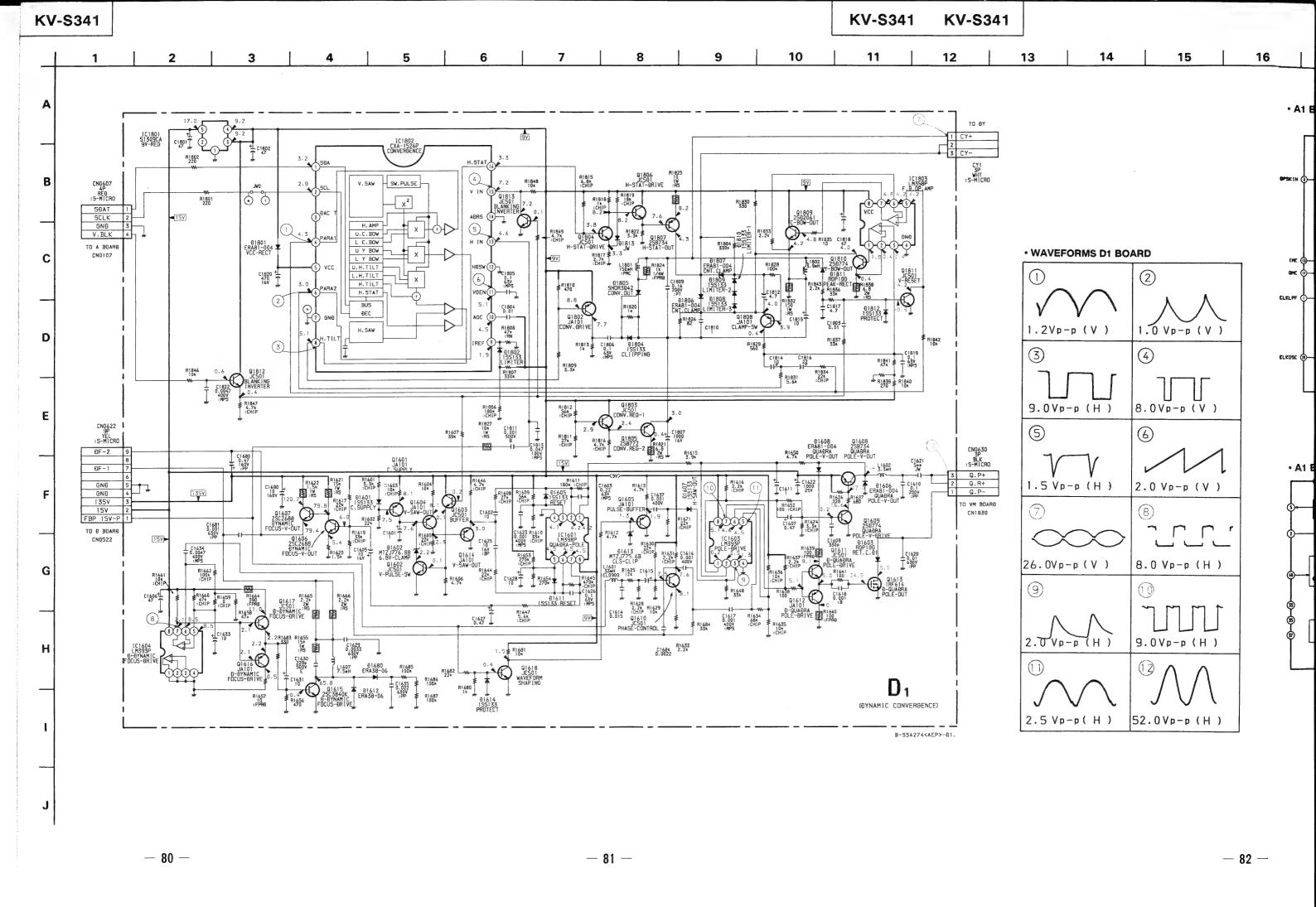


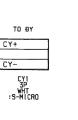


IC IC1301		
TRANSISTOR Q1301		
Q1301 C - 7 Q1302 B - 7 Q1303 B - 6 Q1304 D - 7		
Q1301 C - 7 Q1302 B - 7 Q1303 B - 6 Q1304 D - 7		
Q1302 B - 7 Q1303 B - 6 Q1304 D - 7		
Q1303 B-6 Q1304 D-7		
Q1304 D - 7		
Q1305 C-6		
Q1306 C-6		
Q1307 B - 7		
Q1308 A - 7		
Q1310 B-8		
DIODE		
D1301 C - 7		

Note:

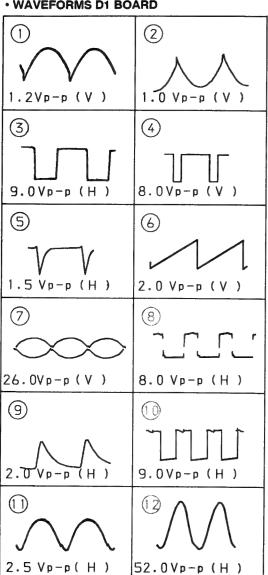
- Pattern from the side which enables seeing.
- : Pattern of the rear side.

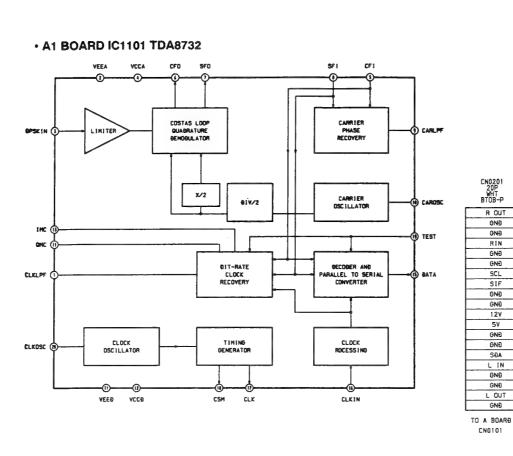


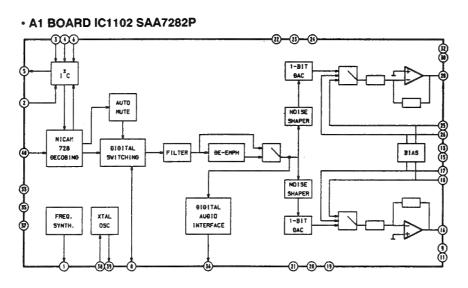


Q.P+ Q.R+ Q.P-

• WAVEFORMS D1 BOARD



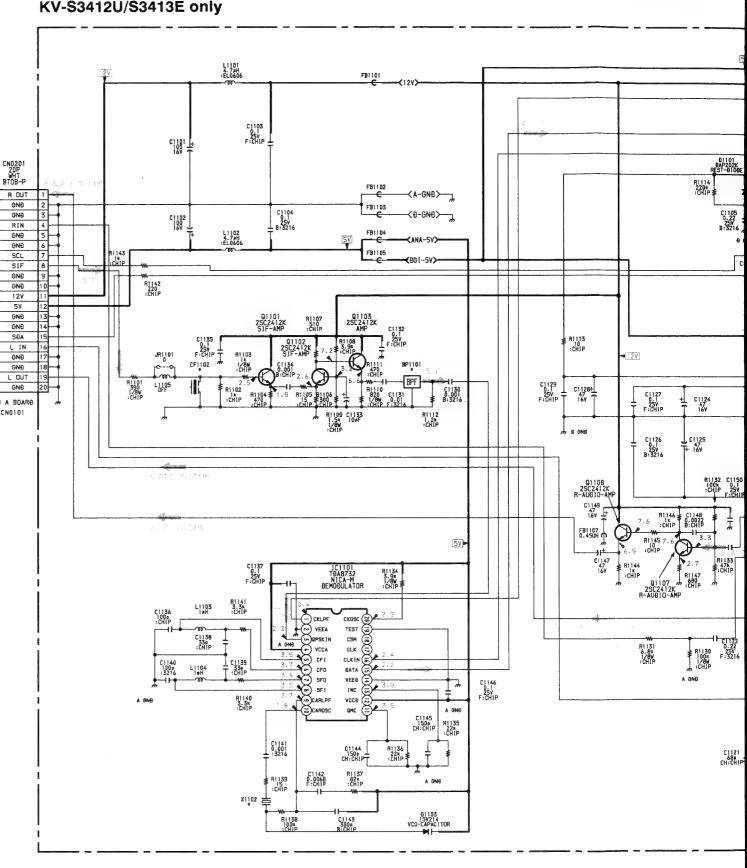




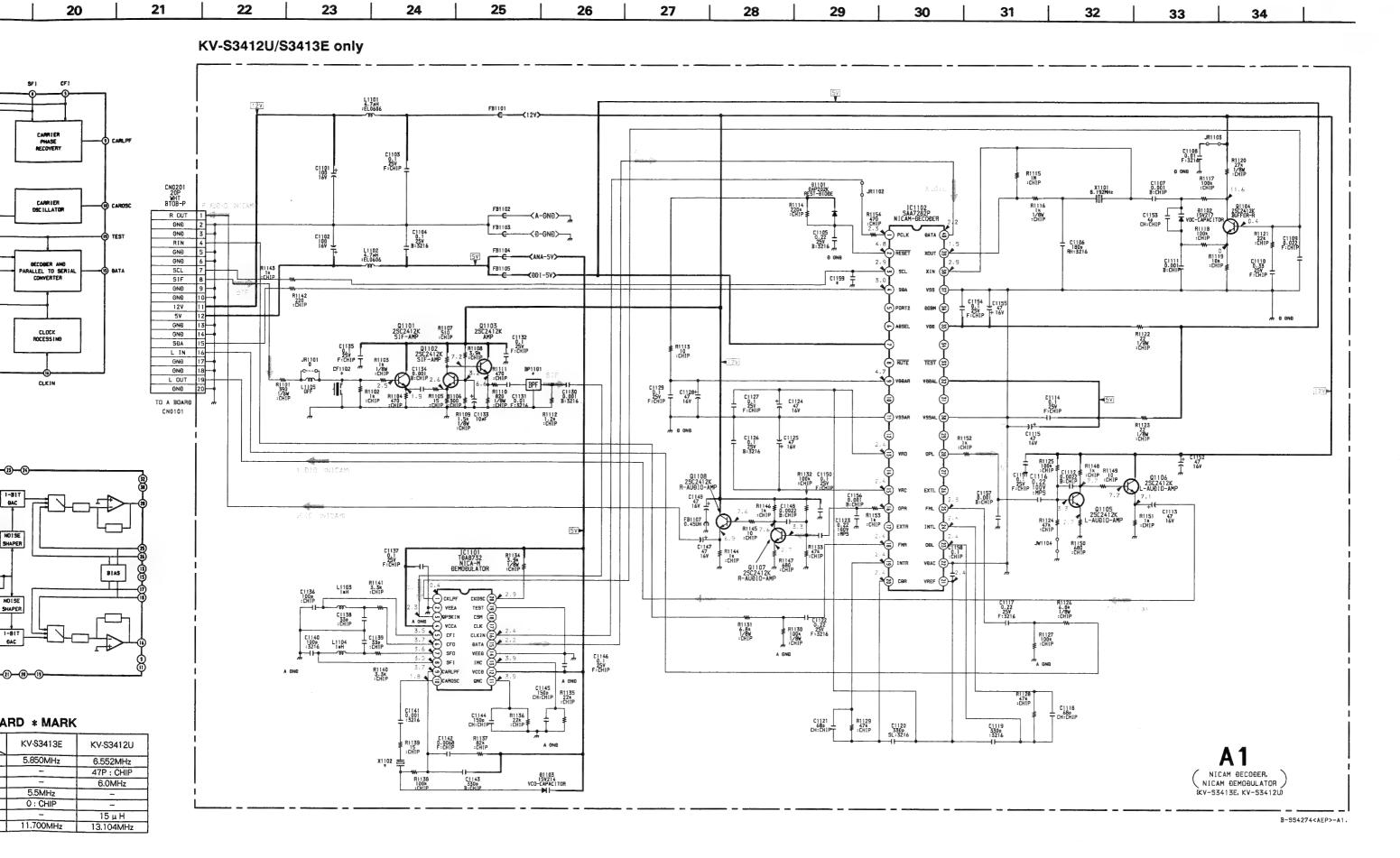
A1 BOARD * MARK

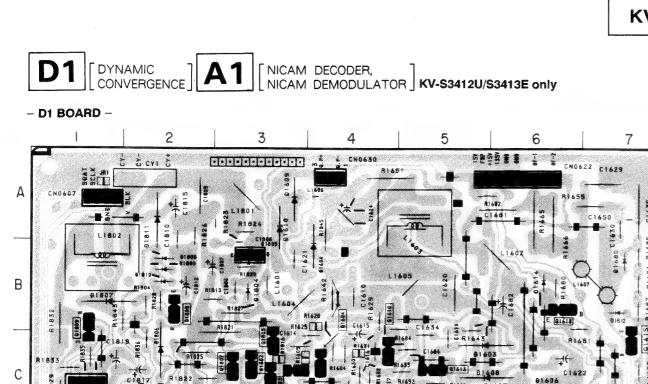
	KV-\$3413E	KV-\$3412U
BP1101	5.850MHz	6.552MHz
C1159	-	47P : CHIP
CF1101	-	6.0MHz
CF1102	5.5MHz	-
JR1101	0 : CHIP	-
L1105	_	15 µ H
X1102	11.700MHz	13.104MHz





KV-S341 KV-S341

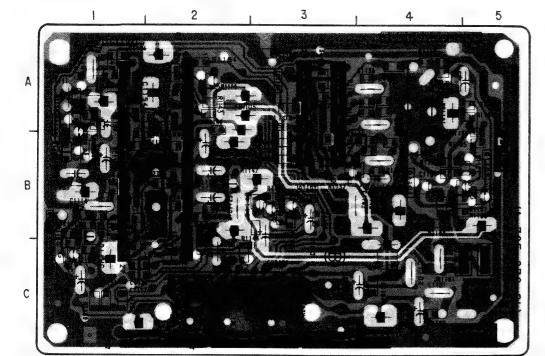




	10	2	Q1807 Q1808	C - 3 B - 2
	IC1601	D-5	Q1809	B - 1
	IC1603	E-5	Q1810	D-2
	IC1604 IC1801	E-7 D-3	Q1811 Q1812	C – 2 E – 4
	IC1802	E - 2	Q1813	D - 2
	IC1803	C - 1		
			DIC	DDE
			D1601	D - 4
	TRANS	ISTOR	D1602 D1603	C - 4 C - 5
	Q1601	C - 4	D1605	D-5
	Q1602	D-4	D1606	C - 6
	Q1603 Q1604	C – 4 C – 4	D1607	D-5
	Q1605	D-6	D1608	C - 5 D - 5
	Q1606	D-6	D1612	B - 7
	Q1607	D - 7	D1613	D-6
	Q1608	C - 5	D1614	B - 6
	Q1609	C-6	D1680	B-7
	Q1610 Q1611	C – 4 C – 5	D1801 D1802	E – 4 E – 2
	Q1612	C-5	D1804	B-3
	Q1613	C-5	D1805	B-3
	Q1614	C – 3	D1806	C - 2
	Q1615 Q1616	C - 7 D - 6	D1807	8 – 1 B – 2
	Q1617	D-6	D1808 D1809	B – 2 B – 2
	Q1618	B-6	D1810	B – 2
	Q1802	C-3	D1811	A - 2
	Q1803	C-3	D1812	D - 2
	Q1804	D-3	D1813	C - 3
İ	Q1805 Q1806	C – 3		
	2,000	0 0		

• Pattern from the side which enables seeing.

• Pattern of the rear side.



D

E

DI CAD

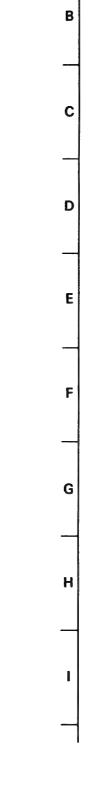
- A1 BOARD -: (KV-S3412U/S3413E only)

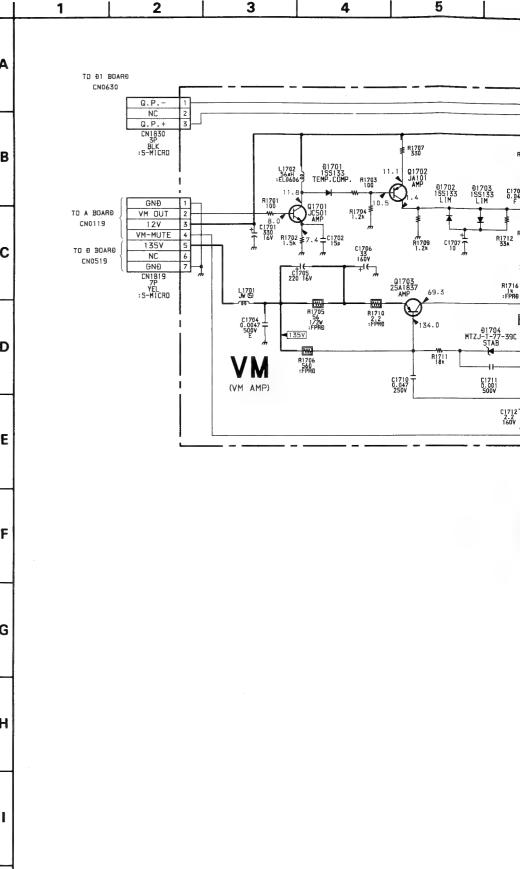
TRAN	SISTOR
Q1101 Q1102 Q1103 Q1104 Q1105 Q1106 Q1107 Q1108	B-4 B-5 B-5 A-1 B-1 C-1 B-3 B-3
DIC	DDE
D1101 D1102 D1103	A - 2 A - 1 B - 4

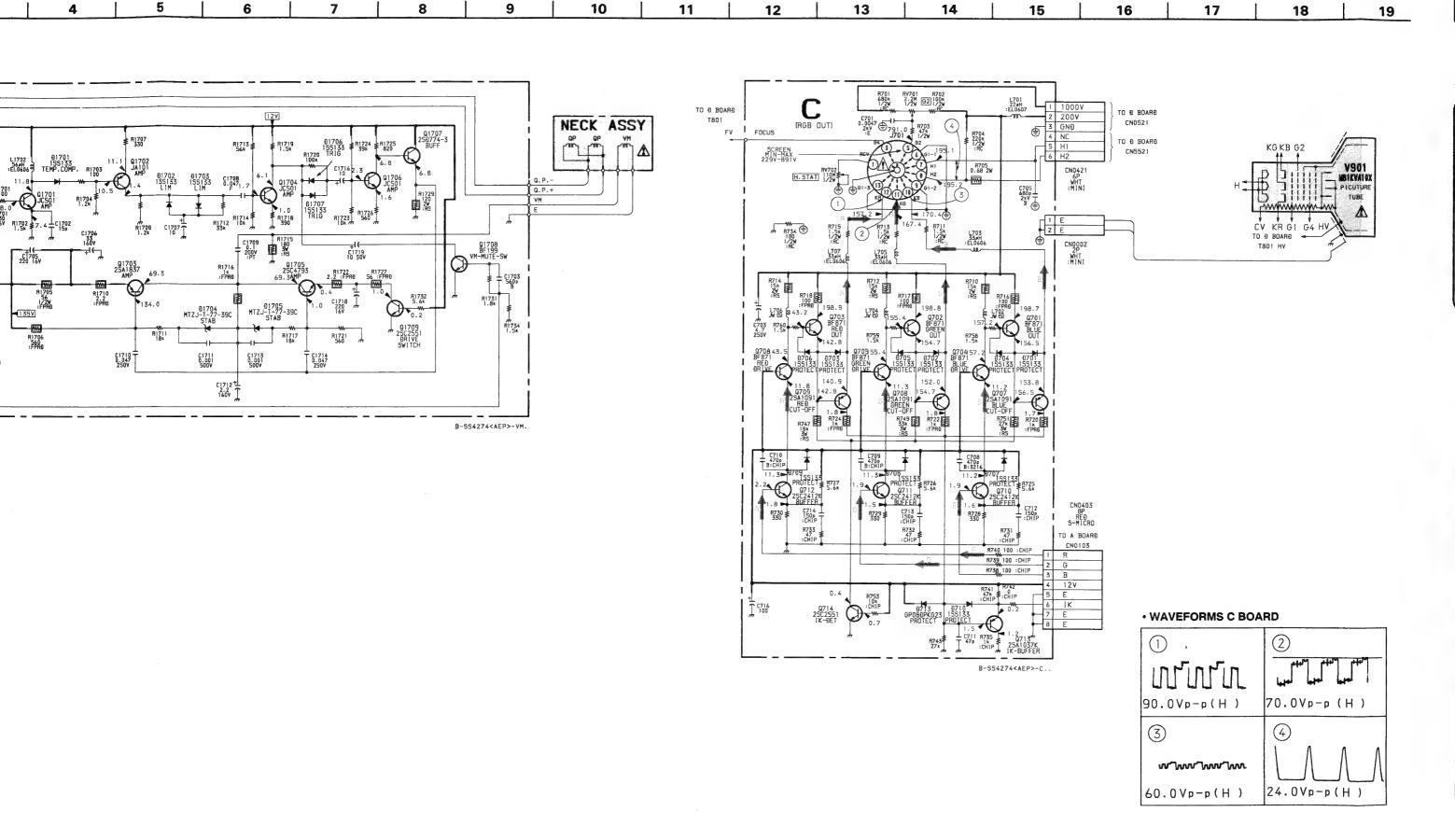
Note:

IC

IC1101 A - 3 IC1102 B - 2

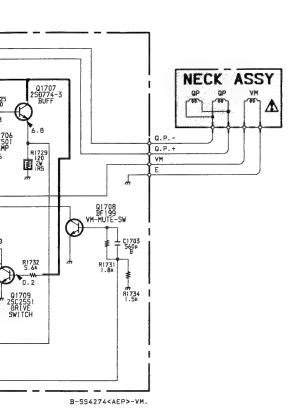


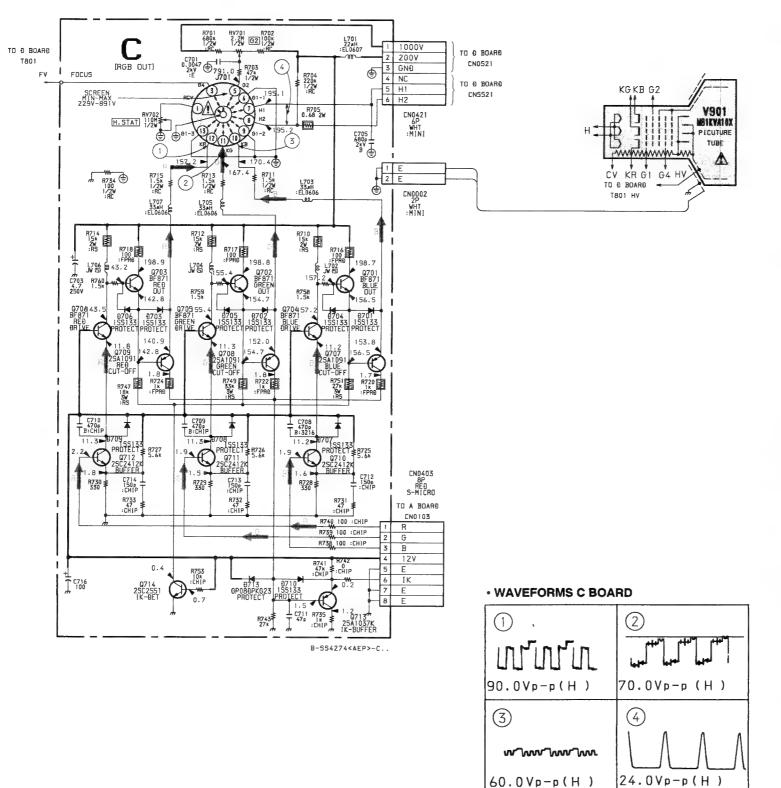




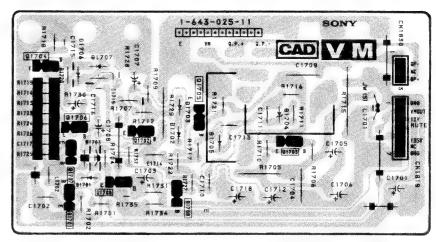
8 9 10 11 12 13 14 15 16 17 18 19



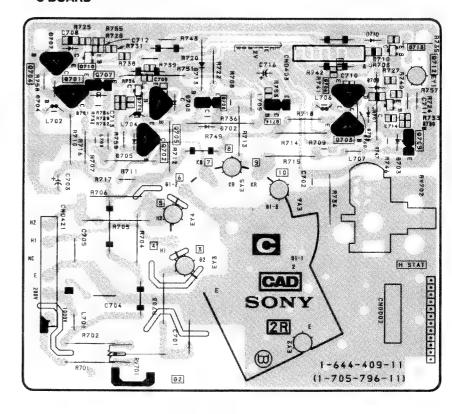


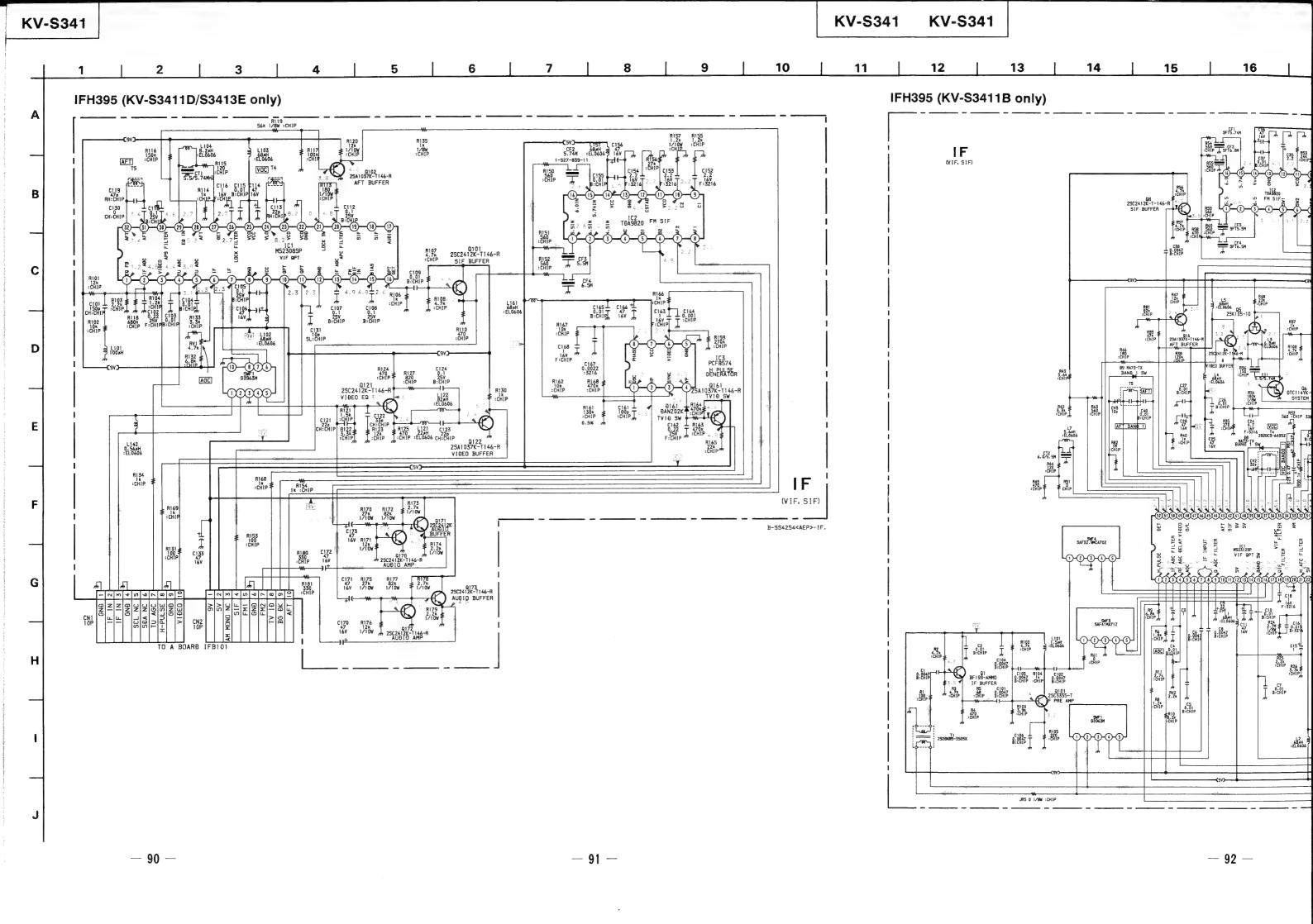


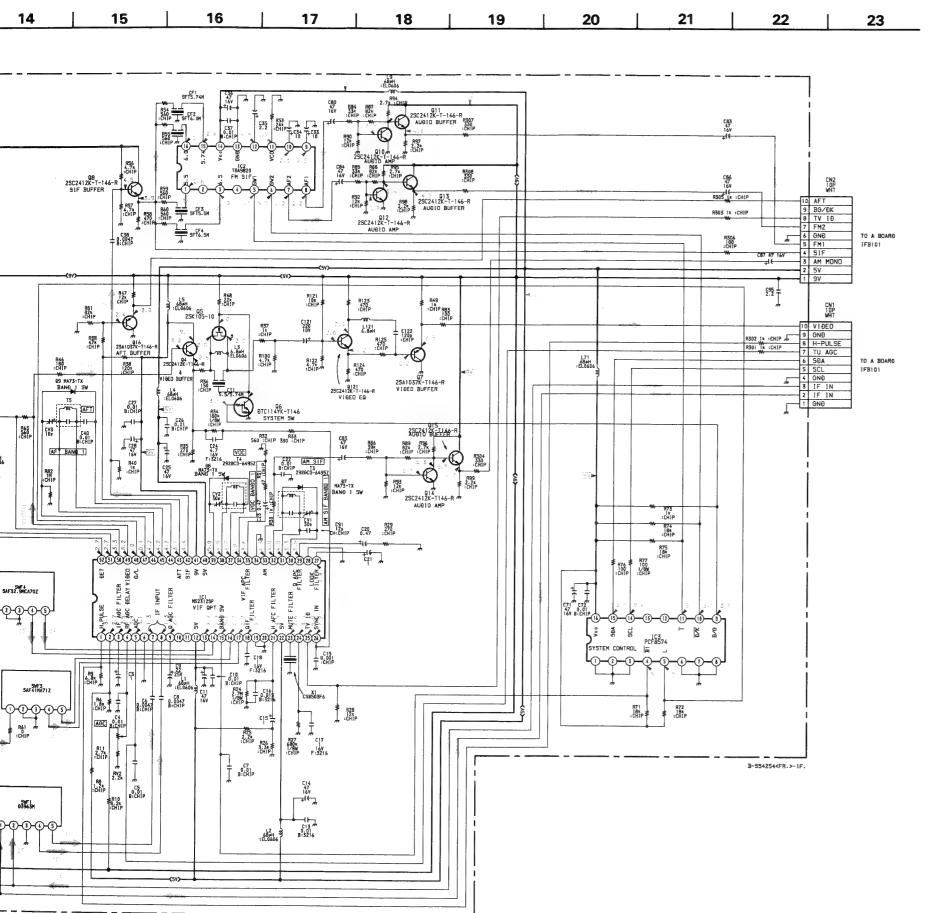




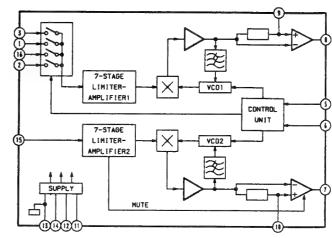
- C BOARD -



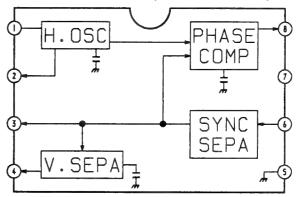




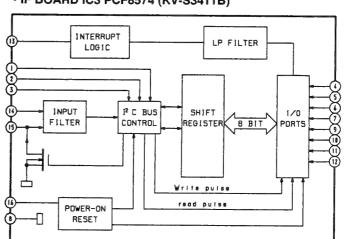






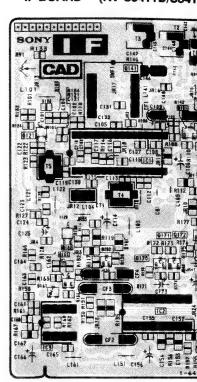


• IF BOARD IC3 PCF8574 (KV-S3411B)

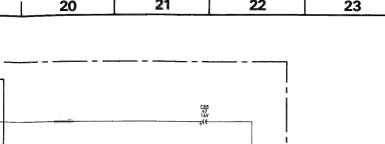


IF [VIF, SIF]

- IF BOARD -- (KV-S3411D/S3413







R303 1k :CHIP

R306 100 :CH1P

R76 ≢ R77 100 1/8W :CHIP :CHIP

SYSTEM CONTROL S

R71 IBK ICHIP≢

295 ± 2.2 ⊤

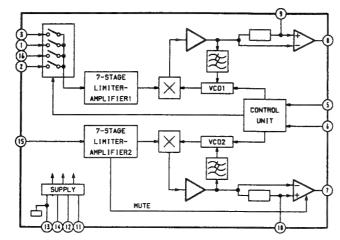
B-SS4254<FR.>-1F.

TO A BOARD IFB101

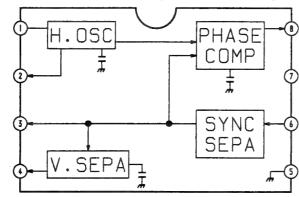
TO A BOARD IFB101

IF [VIF, SIF]

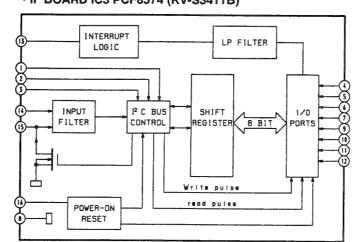
• IF BOARD IC2 TDA9820 (KV-S3411D/S3413E)



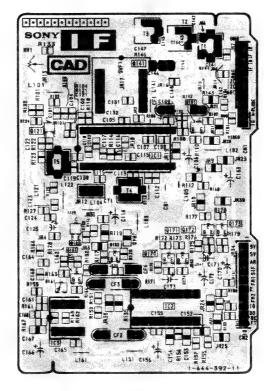
• IF BOARD IC3 BA7046 (KV-S3411D/S3413E)



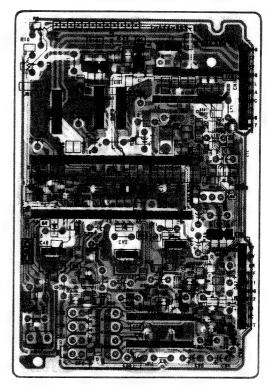
• IF BOARD IC3 PCF8574 (KV-S3411B)



- IF BOARD - (KV-S3411D/S3413E only)

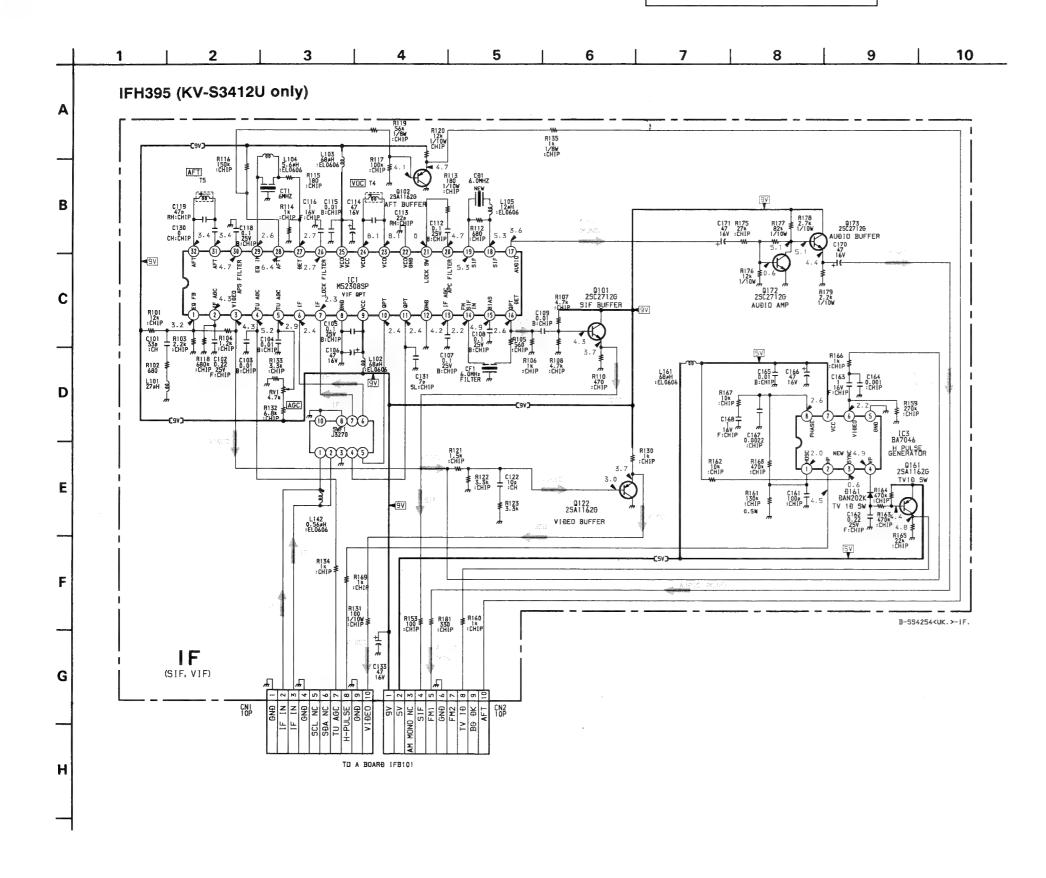


- IF BOARD - (KV-S3411B Only)

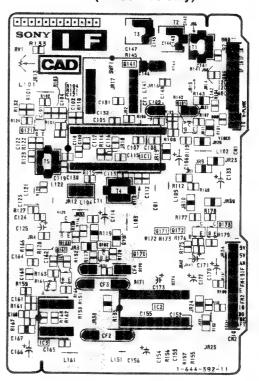


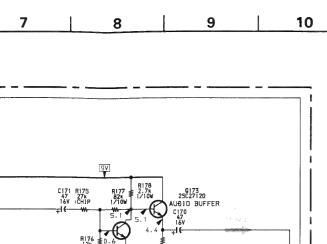
Note:

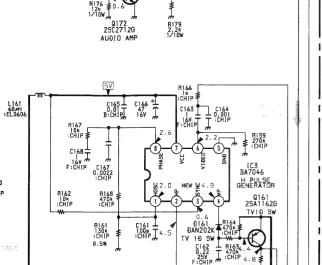
- Pattern from the side which enables seeing.



- IF BOARD - (KV-S3412U only)

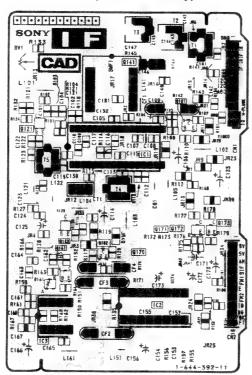




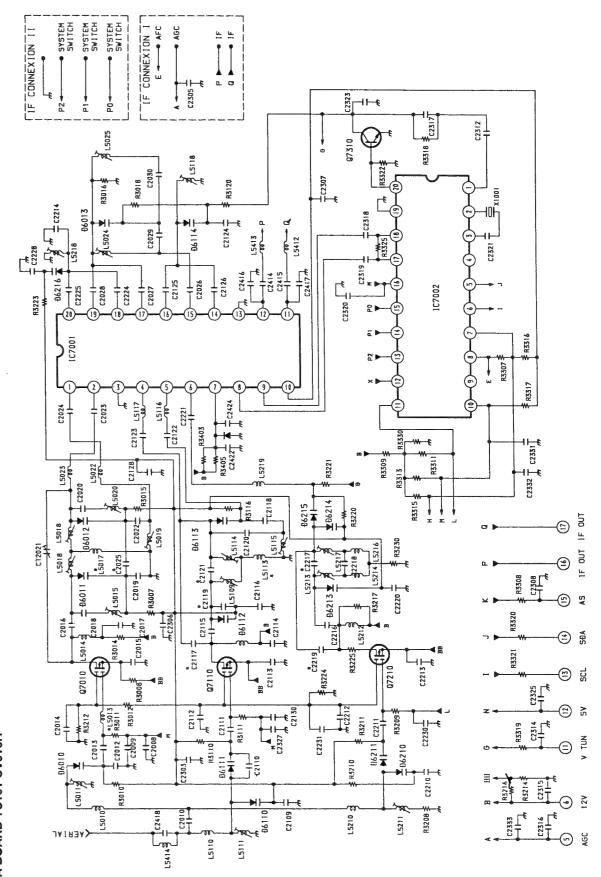


B-SS4254<UK.>-IF.

- IF BOARD - (KV-S3412U only)



5-5. SCHEMATIC DIAGRAM OF TUNER A BOARD TU101 UV916H



NOTE:

• Items criptio

are sel

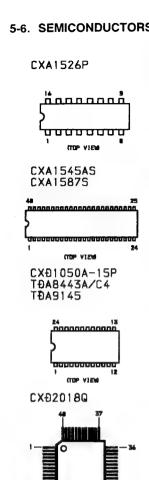
· Items n they a

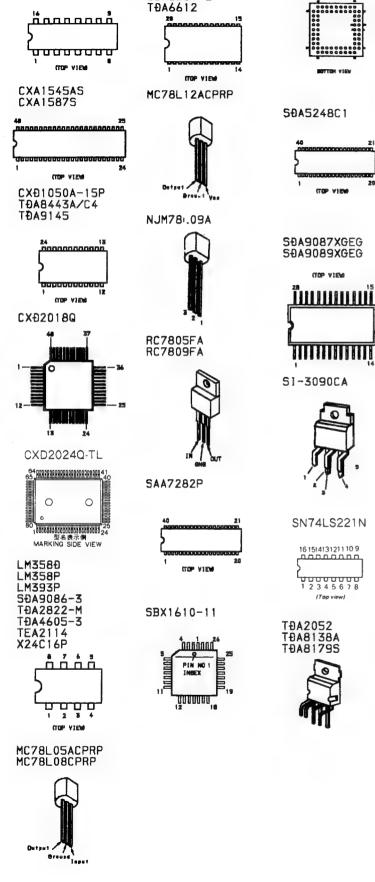
6-1. CHAS

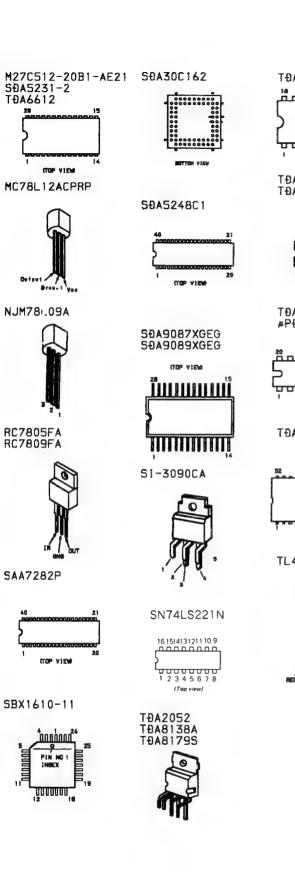
part ar number

when or

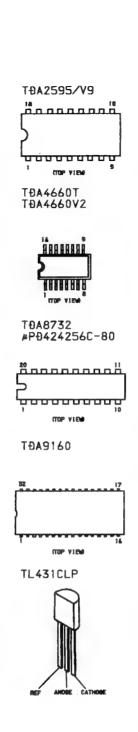
● : BV

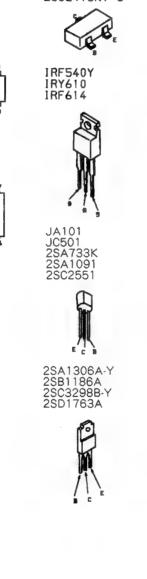


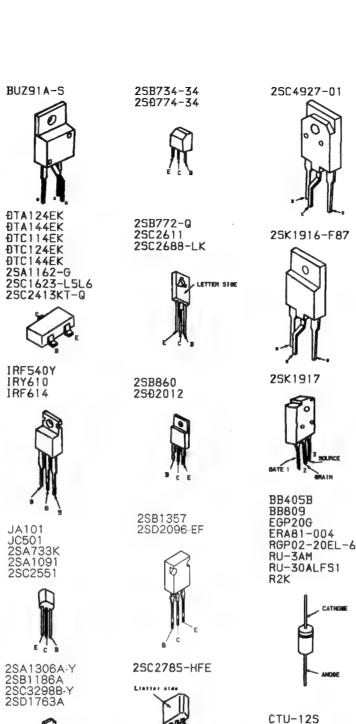


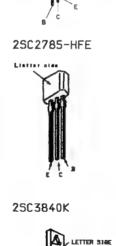


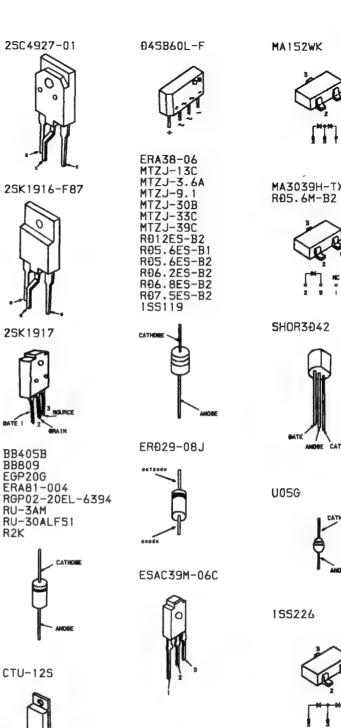
— 98 —



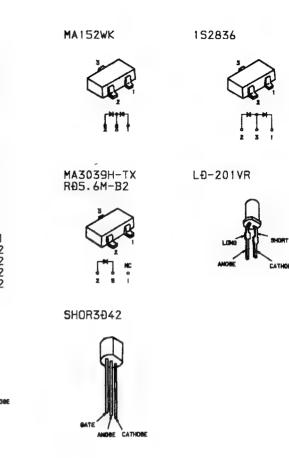






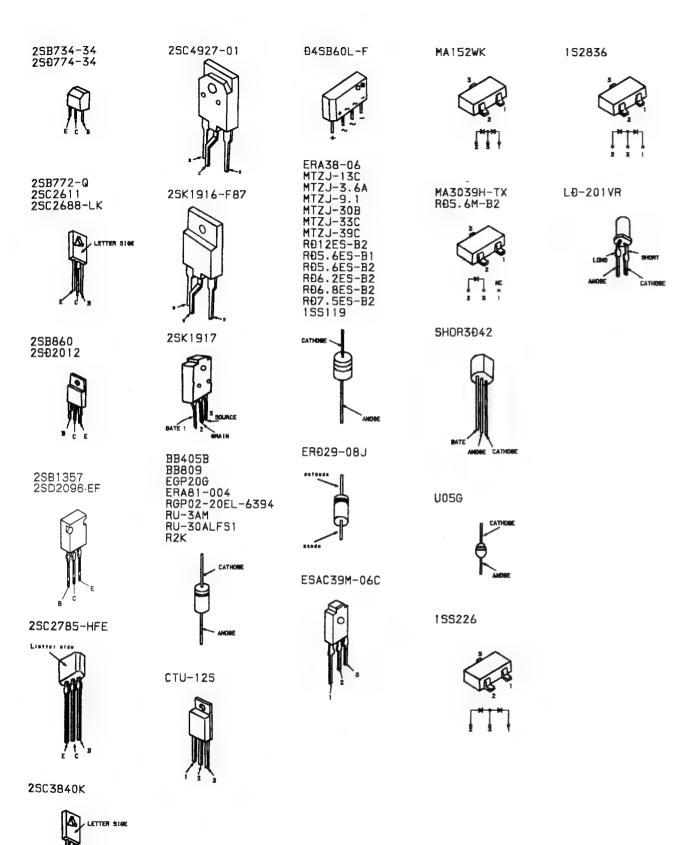


— 99 —





SECTION 6 EXPLODED VIEWS



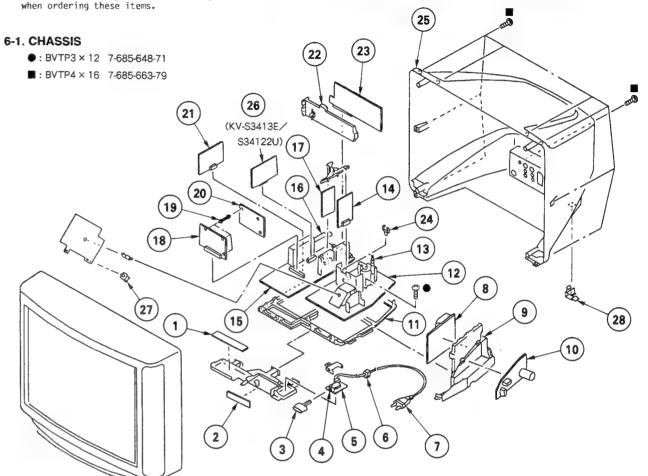
....

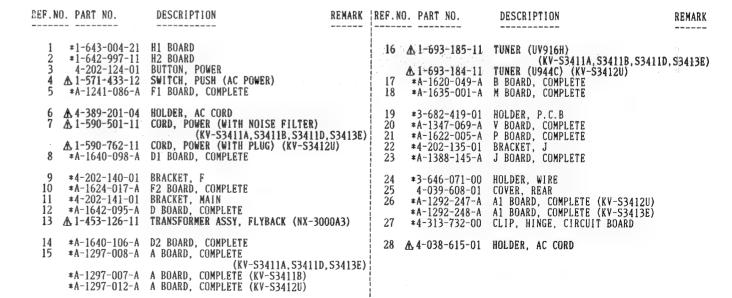
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark \triangle are critical for safety.

Replace only with part number specified.

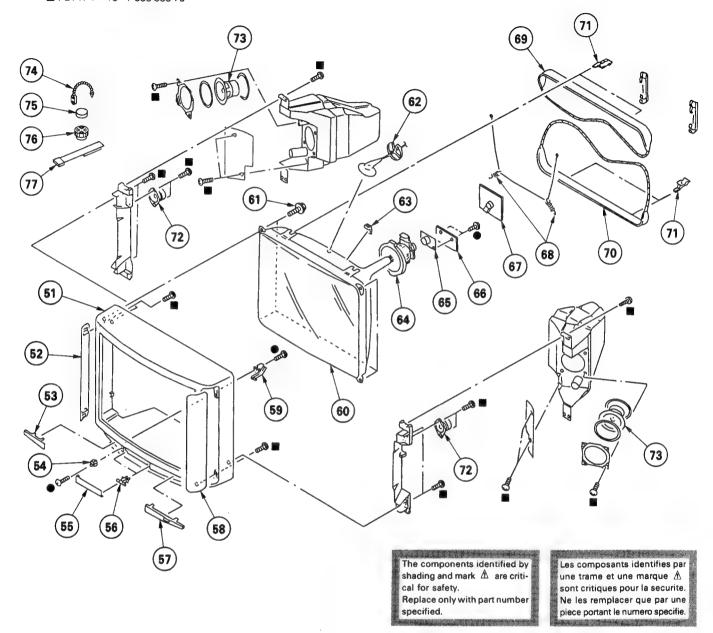
Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.





6-2. PICTURE TUBE

- ●: BVTP3 × 12 7-685-648-71
- ■: BVTP4 × 16 7-685-663-79



REF.N	O. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
51 52 53	X-4030-985-1 X-4030-983-1 4-202-127-01 4-202-127-11	GRILLE (LEFT) ASSY, SPEAKER		65 ∆ 66	\$ 1-451-393-11 \$ 1-452-616-13 *A-1342-189-A *A-1638-033-A 4-369-318-00	NECK ASSY, PICTURE TUBE VM BOARD, COMPLETE C BOARD, COMPLETE	(NA323)
54 55 56 57 58	4-036-881-01 4-202-125-01 3-703-035-11 4-202-123-01 X-4030-984-1	DOOR SHAFT, LID WINDOW, ORNAMENTAL			\$ 1-406-701-11 \$ 1-406-702-11 \$ 4-033-744-01 \$ 1-504-121-21 \$ 1-504-145-11	COIL, DEMAGNETIZATION CLIP	
59 60 61 62 63	X-4030-459-1 A 8-733-731-05 4-036-188-01 *3-704-372-01 3-704-495-01	PICTURE TUBE (M81KVAIOX) SCREW (M), PT		74 75 76 77	4-308-870-00 1-452-032-00 1-452-094-00 X-4306-312-0		

SECTION 7 ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark A are critical for safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque 🛦 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When indicating parts by reference number, please include the board name.

CAPACITORS

COILS

• MF : μF, PF : μμF

• MMH : inH, UH : μH

RESISTORS

· All resistors are in ohms

• F : nonflammable

REF.NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
*A-1241-086-A	F1 BOARD, COMPLETE			C1120	1-163-193-00	CERAMIC CHIP	330PF	5%	507
1-533-230-11	HOLDER, FUSE			C1121 C1122	1-163-113-00 1-163-081-00	CERAMIC CHIP CERAMIC CHIP	68PF 0.22MF	5%	50V 25V
<con< td=""><td>NECTOR></td><td></td><td></td><td>C1124</td><td>1-106-228-00 1-124-477-11 1-124-477-11</td><td>ELECT</td><td>0.22MF 47MF 47MF</td><td>10% 20% 20%</td><td>100V 16V 16V</td></con<>	NECTOR>			C1124	1-106-228-00 1-124-477-11 1-124-477-11	ELECT	0.22MF 47MF 47MF	10% 20% 20%	100V 16V 16V
CN0003A +1-580-844-1 CN0831A +1-695-292-1	1 PIN, CONNECTOR (POWE 1 PIN, CONNECTOR (POWE) F>	8)		i U1129	1-163-077-00 1-163-038-00 1-124-477-11 1-163-038-00 1-163-205-00	LEKAMIL CHIP	U. 1MF	10% 20% 10%	25V 25V 16V 25V 50V
	FUSE (H.B.C.) 5A/250V	APS particle		C1131	1-163-059-00	CERAMIC CHIP	0.01MF	10%	50 V
	TCH>	Nove Caller and a second	ar niek "nyw hikerak	C1133 C1134 C1135	1-163-038-00 1-124-907-11 1-163-009-11 1-163-038-00	ELECT CERAMIC CHIP	10MF 0.001MF	20% 10%	25¥ 50¥ 50¥ 25♥
\$651 A 1-571 433-12	SWITCH, PUSH (AC POWER	******	******	C1136 C1137	1-163-117-00 1-163-038-00	CERANIC CHIP CERANIC CHIP	100PF 0.1MF	5%	50V 25V
*A-1292-247-A	**************************************	-S3412U)		C1138 C1139 C1140	1-163-105-00 1-163-105-00 1-163-181-00	CERAMIC CHIP CERAMIC CHIP	33PF 33PF 100PF	5% 5%	50V 50V 50V
*A-1292-248-A	A1 BOARD, COMPLETE (KV-	-S3413E)		C1141	1-163-205-00	CERAMIC CHIP	0.001MF	5%	50V
CHII.	I K K >			44	1-165-171-181	I.RKAMIL LHIP	LULLE	10% 5% 5%	50V 50V 50V
BP1101 1-236-238-11 1-239-047-11 CF1101 1-409-333-00 CF1102 1-404-134-00	FILTER, BAND PASS (KV- FILTER, BAND PASS (KV- TRAP, CERAMIC (6.0MHZ) TRAP, CERAMIC (5.5MHZ)	S3412U) S3413E) (KV-S341 (KV-S341	2U) 3E)	i U1148	1-163-121-00 1-163-038-00 1-124-477-11 1-164-161-11 1-124-477-11	LEKAMIL CHIP	150PF 0.1MF 47MF 0.0022MF 47MF	20% 10%	50V 25V 16V 50V 16V
<cap< td=""><td>ACITOR></td><td></td><td></td><td>C1150</td><td>1-163-038-00</td><td>CERAMIC CHIP</td><td>U. IMF</td><td></td><td>25V</td></cap<>	ACITOR>			C1150	1-163-038-00	CERAMIC CHIP	U. IMF		25V
C1101 1-126-101-11 C1102 1-126-101-11 C1103 1-163-038-00 C1104 1-163-077-00	ELECT 100MF ELECT 100MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF CERAMIC CHIP 0.22MF	20% 20% 10%	16V 16V 25V 25V	C1151 C1152 C1153 C1154 C1155	1-163-038-00 1-124-477-11 1-163-087-00 1-163-038-00 1-124-477-11	CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP ELECT	0.1MF 47MF 4PF 0.1MF 47MF	20% 0.25PF 20%	25V 16V 50V 25V 16V
			16V 50V	C1157	1-163-009-11 1-163-009-11	CEDYMIC CRID	0 001MF	10% 10%	50 V 50 V
U1108 1-163-059-00	CERAMIC CHIP 180PF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.022MF CERAMIC CHIP 0.33MF	10%	50V 50V 50V 25V	C1158 C1159	1-163-038-00 1-163-243-11	CERAMIC CHIP CERAMIC CHIP	0.1MF 47PF	5%	25V 50V (V-S3412U)
C1111 1-163-009-11 C1112 1-164-161-11	CERAMIC CHIP 0.001MF CERAMIC CHIP 0.0022MF	10% 10%	50V 50V		<con< td=""><td>NECTOR></td><td></td><td></td><td></td></con<>	NECTOR>			
C1112 1-104-101 11 C1113 1-124-477-11 C1114 1-163-038-00 C1115 1-124-477-11	ELECT 47MF CERAMIC CHIP 0.1MF ELECT 47MF	20%	16V 25V 16V	CN0201	1-695-300-11 <dio< td=""><td>•</td><td>DARD TO BOAR</td><td>D 20P</td><td></td></dio<>	•	DARD TO BOAR	D 20P	
C1116 1-106-228-00 C1117 1-163-081-00	MYLAR 0.22MF CERAMIC CHIP 0.22MF	10%	100V 25V	D1101	8-719-104-34				
C1118 1-163-113-00 C1119 1-163-193-00	CERAMIC CHIP 68PF CERAMIC CHIP 330PF	5% 5%	50V 50V		8-719-027-70 8-719-820-71	DIODE 1SV217	-TPH3		

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REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
<fer< td=""><td>RITE BEAD></td><td></td><td>R1124</td><td>1-216-089-00</td><td>METAL GLAZE METAL GLAZE</td><td>47K 5% 100K 5%</td><td>1/10W 1/10W</td><td></td></fer<>	RITE BEAD>		R1124	1-216-089-00	METAL GLAZE METAL GLAZE	47K 5% 100K 5%	1/10W 1/10W	
FB1101 1-410-396-41 FB1102 1-410-396-41 FB1103 1-410-396-41 FB1104 1-410-396-41 FB1105 1-410-396-41	DESCRIPTION RITE BEAD> FERRITE BEAD INDUCTOR		R1126 R1127 R1128 R1129 R1130	1-216-218-00 1-216-097-00 1-216-089-00 1-216-089-00 1-216-246-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	6.8K 5% 100K 5% 47K 5% 47K 5% 100K 5%	1/8W 1/10W 1/10W 1/10W 1/10W	
FB1107 1-410-396-41 <[C> IC1101 8-759-511-88 IC1102 8-759-073-17	IC TDA8732			1-216-218-00 1-216-097-00 1-216-089-00 1-216-212-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	6.8K 5% 100K 5% 47K 5% 3.9K 5% 22K 5%	1/8W 1/10W 1/10W 1/8W 1/10W	
<001	L>		R1137 R1138 R1139	1-216-081-00 1-216-095-00 1-216-097-00 1-216-005-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	22K 5% 82K 5% 100K 5% 15 5% 3.3K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
L1102 1-408-405-00 L1103 1-410-119-11 L1104 1-410-119-11 L1105 1-408-411-00	INDUCTOR 4.7UH INDUCTOR 4.7UH INDUCTOR 1MMH INDUCTOR 1MMH INDUCTOR 15UH (KV-S	3412U)	R1142 R1143 R1144	1-216-061-00 1-216-033-00 1-216-049-00 1-216-049-00 1-216-001-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	3.3K 5% 220 5% 1K 5% 1K 5% 10 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
	NSISTOR>		D1146	1 01/ 0/0 00	METAL CLATE		1/10W	
Q1101 8-729-901-81 Q1102 8-729-901-81 Q1103 8-729-901-81 Q1104 8-729-901-81	TRANSISTOR 2SC2412K-T-146 TRANSISTOR 2SC2412K-T-146 TRANSISTOR 2SC2412K-T-146 TRANSISTOR 2SC2412K-T-146 TRANSISTOR 2SC2412K-T-146	-R -R -R -R -R	R1147 R1148 R1149 R1150	1-216-045-00 1-216-049-00 1-216-001-00 1-216-045-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 680 5% 1K 5% 10 5% 680 5%	1/10W 1/10W 1/10W 1/10W	
Q1106 8-729-901-81 Q1107 8-729-901-81	TRANSISTOR 2SC2412K-T-146 TRANSISTOR 2SC2412K-T-146 TRANSISTOR 2SC2412K-T-146	-R -R -R	R1151 R1152 R1153 R1154	1-216-049-00 1-216-049-00 1-216-049-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 1K 5% 1K 5% 470 5%	1/10W 1/10W 1/10W 1/10W	
<res< td=""><td>ISTOR></td><td></td><td></td><td><cry< td=""><td>STAL></td><td></td><td></td><td></td></cry<></td></res<>	ISTOR>			<cry< td=""><td>STAL></td><td></td><td></td><td></td></cry<>	STAL>			
JR1101 1-216-296-00	METAL GLAZE 0 5%	1/8W (KV-S3413E)	X1101	1-579-689-21	VIBRATOR, CRY	STAL	141211)	
JR1102 1-216-296-00 JR1103 1-216-296-00 JR1104 1-216-295-00	METAL GLAZE 0 5%	1/8W 1/8W 1/10W		1-579-282-21	VIBRATOR, CRY	STAL (KV-S3	3413E)	*****
R1101 1-216-188-00 R1102 1-216-049-00	METAL GLAZE 390 5% METAL GLAZE 1K 5% METAL GLAZE 1K 5%	1/8W 1/10W 1/8W		*A-1297-008-A	A BOARD, COMP	LETE ****		
R1103 1-216-198-00 R1104 1-216-041-00 R1105 1-216-005-00	METAL GLAZE 470 5% METAL GLAZE 15 5%	1/10W 1/10W		*A-1297-007-A *A-1297-012-A	A BOARD, COMP	LETE (KV-S3 **** LETE (KV-S3	3411B)	,S3413E)
R1106 1-216-036-00 R1107 1-216-042-00 R1108 1-216-063-00 R1109 1-216-202-00 R1110 1-216-196-00	METAL GLAZE 300 5% METAL GLAZE 510 5% METAL GLAZE 3.9K 5% METAL GLAZE 1.5K 5% METAL GLAZE 820 5%	1/10W 1/10W 1/10W 1/8W 1/8W		4-200-001-01 4-201-023-01 4-812-134-00		ATING		
R1111 I-216-041-00 R1112 I-216-051-00	METAL GLAZE 470 5% METAL GLAZE 1.2K 5%	1/10W 1/10W		<cap< td=""><td>ACITOR></td><td></td><td></td><td></td></cap<>	ACITOR>			
R1113 1-216-001-00 R1114 1-216-105-00 R1115 1-216-121-00	METAL GLAZE 10 5% METAL GLAZE 220K 5% METAL GLAZE 1M 5%	1/10W 1/10W 1/10W	C071 C072 C074	1-124-126-00 1-124-120-11 1-163-001-11	ELECT CERAMIC CHIP		20% 10%	10V 16V 50V
R1116 1-216-049-00 R1117 1-216-097-00 R1118 1-216-097-00	METAL GLAZE 1K 5% METAL GLAZE 100K 5% METAL GLAZE 100K 5%	1/10W 1/10W 1/10W	C102 C103	1-126-103-11 1-163-031-11	ELECT CERAMIC CHIP	470MF 0.01MF		16V 50V
R1119 1-216-073-00 R1120 1-216-232-00	METAL GLAZE 10K 5% METAL GLAZE 27K 5%	1/10W 1/8W	C104 C105 C106	1-124-910-11 1-124-916-11 1-124-927-11	ELECT ELECT	47MF 22MF 4.7MF	20% 20%	50V 50V 50V
R1121 1-216-081-00 R1122 1-216-158-00 R1123 1-216-158-00	METAL GLAZE 22K 5% METAL GLAZE 22 5% METAL GLAZE 22 5%	1/10W 1/8W 1/8W	C106	1-124-907-11	ELECT (KV-S	3411A,S3411 10MF		,53413E) 50V
10 001 012 1 (411)	JA	_,	C110	.1-124-478-11	ELECT	100MF		-S3411B) 25V



		DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
C120 1-16 C201 1-13 C202 1-13 C203 1-16 C204 1-16	33-031-11 30-489-00 30-489-00 44-005-11 44-005-11	CERAMIC CHIP FILM FILM CERAMIC CHIP CERAMIC CHIP	0.01MF 0.033MF 0.033MF 0.47MF	5% 5%	50V 50V 50V 25V 25V	C318	1-163-103-00 1-163-038-00 1-124-910-11 1-163-038-00 1-124-916-11 1-163-135-00	CERAMIC CHIP	27PF	5%	50V 25V 50V 25V
C205 1-12 C206 1-16 C207 1-13 C208 1-16 C209 1-16	44-907-11 64-161-11 67-613-11 64-005-11 64-005-11	ELECT CERAMIC CHIP FILM CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	10MF 0.0022MF 0.0018MF 0.47MF 0.47MF	20% 10% 2%	50V 50V 100V 25V 25V	C323	1-124-910-11 1-163-135-00 1-124-910-11 1-163-111-00 1-163-077-00 1-163-077-00 1-164-004-11	CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	22mr 560PF 47MF 56PF 0.1MF	20% 5% 20% 5% 10%	50V 50V 50V 50V 25V 25V
C216 1-16	3-809-11	CERAMIC CHIP	0.047MF	10%	25 v	C342 C343 C344 C345 C347 C348	1-164-004-11 1-162-638-11 1-164-346-11 1-162-638-11 1-164-346-11 1-164-346-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	O.IMF 1MF 1MF 1MF 1MF	10%	25V 16V 16V 16V 16V
C219 1-16 C220 1-16 C221 1-12	3-011-11 3-011-11 4-925-11		0.0015MF 0.0015MF 2.2MF	10% 10% 20%	50V 50V 50V 50V 50V	C349 C350 C351 C353 C354 C355	1-124-907-11 1-124-916-11 1-164-346-11 1-164-346-11 1-162-638-11	ELECT ELECT CERAMIC CHIP CERAMIC CHIP	10MF 22MF 1MF 1MF	20% 20%	16V 50V 50V 16V 16V
C222 1-12- C223 1-13- C224 1-13- C225 1-16- C226 1-16-	4-923-11 6-177-00 6-177-00 4-182-11 3-007-11	ELECT FILM FILM CERAMIC CHIP CERAMIC CHIP	2.2mr 1MF 1MF 0.0033MF 680PF	5% 5% 10% 10%	50V 50V 50V 50V	C356 C357 C358 C359 C361	1-164-489-11 1-164-299-11 1-164-299-11 1-124-907-11 1-163-101-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP	0.22MF 0.22MF 0.22MF 0.22MF 10MF	10% 10% 10% 20%	16V 25V 25V 50V 50V
C228 1-12- C229 1-12- C230 1-12- C231 1-16-	4-907-11 4-478-11 4-478-11 4-346-11	ELECT ELECT ELECT ELECT CERAMIC CHIP	10MF 100MF 100MF 1MF	20% 20% 20%	50V 25V 25V 25V 16V	C362 C363 C365 C366 C401	1-130-772-00 1-124-907-11 1-124-120-11 1-124-903-11 1-164-005-11	FILM ELECT ELECT ELECT CERAMIC CHIP	0.22MF 10MF 220MF 1MF 0.47MF	5% 20% 20% 20%	63V 50V 16V 50V 16V
C234 1-160 C235 1-130 C236 1-124	0-772-00 4-618-11	CERAMIC CHIP CERAMIC CHIP FILM ELECT	0.22MF 2200MF	10% 10% 5% 20%	50V 50V 63V 35V	C402 C403 C411 C412 C421	1-124-917-11 1-162-637-11 1-164-005-11 1-164-005-11 1-124-910-11	ELECT CERAMIC CHIP CERAMIC CHIP FIRCT	33MF 0.47MF 0.47MF 0.47MF	20%	50V 16V 25V 25V 50V
C238 1-164 C239 1-130 C240 1-124 C241 1-124	4-161-11 0-772-00 4-916-11 4-916-11	CERAMIC CHIP FILM ELECT ELECT	0.0022MF 0.22MF 22MF 22MF	10% 5% 20% 20%	50V 63V 50V 50V	C422 C423 C424	1-124-910-11 1-124-910-11 1-101-004-00 1-163-129-00 1-163-129-00 1-124-910-11	ELECT CERAMIC CERAMIC CHIP CERAMIC CHIP	47MF 0.01MF 330PF 47MF	20%	50 V 50 V 50 V 50 V 50 V
C251 1-126	6-320-11	ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP	10MF	10% 5% 5% 20%	50V 50V 50V 50V 16V	C427 C428 C429 C574	1-164-346-11 1-164-346-11 1-124-119-00 1-163-117-00	CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP	1MF 1MF 330MF 100PF	20%	16V 16V 16V 50V
C302 1-16 C303 1-16 C303A 1-12	3-038-00 4-337-11 4-903-11	CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP	0.1MF 2.2MF 1MF	20%	25V 25V 16V 50V (KV-S3411B)	C582 C583 C586 C587	1-163-031-11 1-124-916-11 1-163-129-00 1-163-063-00 1-124-903-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT	22MF 330PF 0.022MF 1MF	20% 5% 10% 20%	50V 50V 50V 50V
C305 1-163 C306 1-163 C307 1-163 C308 1-163	3-097-00 3-097-00 3-017-00 3-809-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	15PF 15PF 0.0047MF 0.047MF	5% 5% 10% 10%	50V 50V 50V 25V	C589 C590 C591 C592	1-163-017-00	CERAMIC CHIP ELECT ELECT ELECT CERAMIC CHIP	470MF 22MF 2.2MF 0.0047MF	20% 20% 20% 10%	16V 16V 50V 50V 50V
C310 1-163 C311 1-163 C312 1-124 C313 1-163	3-038-00 3-038-00 4-910-11 3-077-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP	0.1MF 0.1MF 47MF 0.1MF	10% 20%	25V 25V 25V 50V 50V	C595 C599 C681 C682	1-163-109-00 1-164-232-11 1-124-478-11 1-126-101-11	CERAMIC CHIP ELECT ELECT	47PF	10% 5% 10% 20% 20%	50V 50V 50V 25V 16V
C315 1-124 C316 1-163	4-910-11 3-077-00	CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP	47MF 0.1MF	20% 5%	25V 50V 50V 50V	C684		ELECT ELECT	100MF 100MF 100MF	20% 20% 20%	25V 25V 25V

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<fil< td=""><td>TER></td><td></td><td>1 1 1 1</td><td><1C></td><td></td><td></td></fil<>	TER>		1 1 1 1	<1C>		
CF581 1-577-611-11	OSCILALTOR, CERAMIC			8-759-073-14 8-759-073-30	IC TDA6612	4114 C2411D C2411D C2412E\
	NECTOR>		1C202	8-759-073-31 8-759-502-21	IC TDA6622 (KV	411A,S3411B,S3411D,S3413E) -S3412U)
CN0001*1-568-880-51 CN0101 1-695-297-11	PIN, CONNECTOR 5P CONNECTOR, BOARD TO BOARD 20P (KV-S3411A,S3411D,S3412U	LS3413E)	IC251 IC261	8-759-072-99 8-759-072-99	IC TDA2052	
CN0102 1-573-296-11 CN0103*1-564-511-31	CONNECTOR, BOARD TO BOARD 10P	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10301	8-759-073-15 8-759-084-91 8-752-056-54	IC TDA9145/N1 IC TDA4661/V2	
CN0104*1-568-882-51 CN0105*1-568-880-51 CN0107*1-568-879-51 CN0108*1-568-878-51 CN0109 1-695-299-11	PIN, CONNECTOR 5P PIN, CONNECTOR 4P		IC401 IC402 IC681 IC683	8-752-062-86 8-759-073-00 8-759-072-98 8-759-982-10 8-759-982-10	IC CXA1545AS IC TEA2114 IC TDA8138A IC RC7809FA	
CN0110*1-568-882-51 CN0111 1-568-882-51 CN0113 1-695-298-11	PIN, CONNECTOR 7P CONNECTOR, BOARD TO BOARD 40P			<if< td=""><td>BLOCK></td><td></td></if<>	BLOCK>	
CN0114*1-568-879-51 CN0115*1-564-516-11	PLUG, CONNECTOR 13P		IFB101	1-466-733-11	IF BLOCK (IFH-	389) (KV-S3411A,S3411D,S3413E)
CN0116*1-568-879-11 CN0119*1-568-879-11 CN0137*1-564-511-11	PIN, CONNECTOR 4P PLUG. CONNECTOR 8P					389F) (KV-53411B) 395) (KV-53412U)
CN51U8*1-564-513-41	PLUG, CONNECTOR 10P			<c01< td=""><td>L></td><td></td></c01<>	L>	
<010			L101 L102		INDUCTOR	560UH 22UH
D071 8-719-109-89	DIODE 152836 DIODE RD5.6ES-B2		L201 L306 L307	1-408-405-00	INDUCTOR INDUCTOR INDUCTOR	4.7MMH 4.7UH 4.7UH
D073 8-719-109-89 D075 8-719-400-18	DIODE RD5.6ES-B2 DIODE MA152WK		L308 L309		INDUCTOR INDUCTOR	47UH 15UH
D077 8-719-400-18 D078 8-719-109-89 D079 8-719-109-89	DIODE RD5.6ES-B2		L310 L572 L610		INDUCTOR INDUCTOR INDUCTOR	0.45UH 1MMH 15OUH
D101 8-719-982-27 D206 8-719-400-18	DIODE MTZJ-33C DIODE MA152WK	!	L611	1-412-539-41		150UH
D207 8-719-921-89 D208 8-719-911-19	DIODE 1SS119			<10	LINK>	
D209 8-719-911-19 D210 8-719-911-19 D211 8-719-911-19	DIODE 188119 DIODE 188119 DIODE 188119		PS681 ∆	1-532-605-91	LINK, IC 0.4A	的。1993年,1973年,1989年1999年(1984年)。 1987年(1984年)
D212 8-719-911-19 D213 8-719-400-18	DIODE 188119 DIODE MA152WK			<tra< td=""><td>NSISTOR></td><td></td></tra<>	NSISTOR>	
D301 8-719-400-18 D302 8-719-104-34 D304 8-719-109-89	DIODE MA152WK DIODE 182836 DIODE RD5.6ES-B2		Q071 Q101 Q102	8-729-216-22	TRANSISTOR DTA TRANSISTOR 2SA TRANSISTOR DTC	1162-G
D305 8-719-400-18	DIODE MA152WK		Q103 Q201	8-729-900-53	TRANSISTOR DTC TRANSISTOR 2SC	114EK
D306 8-719-400-18 D307 8-719-400-18 D308 8-719-800-76	DIODE MA152WK DIODE MA152WK DIODE 1SS226		Q202 Q203	8-729-901-81	TRANSISTOR 2SC TRANSISTOR 2SC	2412K-T-146-R
D311 8-719-800-76 D381 8-719-110-03	DIODE 1SS226 DIODE RD7.5ES-B2		Q204 Q205 Q206	8-729-216-22	TRANSISTOR 2SA TRANSISTOR 2SA TRANSISTOR 2SA	1162-G
D401 8-719-921-69 D403 8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1		Q207 Q209	8-729-901-81	TRANSISTOR 2SC2 TRANSISTOR 2SC2	2412K-T-146-R
D406 8-719-921-69			Q210 Q301	8-729-901-81 8-729-901-00	TRANSISTOR 2SC TRANSISTOR DTC	2412K-T-146-R 124EK
D407 8-719-921-69 D571 8-719-800-76 D682 8-719-109-89	DIODE MTZJ-9.1 DIODE 1SS226 DIODE RD5.6ES-B2		Q302 Q303	8-729-216-22	TRANSISTOR 2SA: TRANSISTOR 2SA:	1162-G
2 . 25 . 25 . 25			Q304 Q305 Q306 Q308	8-729-900-53 8-729-901-01	TRANSISTOR DTC TRANSISTOR DTC TRANSISTOR 2SA TRANSISTOR 2SA	114EK 144EK 1162-G



REF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
0309 0311 0312	8-729-931-02 8-729-901-06 8-729-900-53	TRANSISTOR 2SC24 TRANSISTOR DTA14 TRANSISTOR DTC11	13KQ 4EK-T146 4EK		JR213 JR214	1-216-296-00 1-216-296-00	METAL GLAZE	0 55 0 55	1/8W 1/8W	
Q401 Q402	8-729-216-22 8-729-901-81	TRANSISTOR 25C24 TRANSISTOR 25C24	62-G 12K-T-146-R 12K-T-146-R		JR215 JR216 JR217	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 55 0 55 0 55	1/8W 1/8W 1/8W	
Q403 Q404 Q581	8-729-901-81 8-729-901-81 8-729-901-81	TRANSISTOR 25C24 TRANSISTOR 25C24 TRANSISTOR 25C24 TRANSISTOR 25C24	12K - T - 146 - R 12K - T - 146 - R 12K - T - 146 - R 12K - T - 146 - R		JR219 JR220	1-216-296-00	METAL GLAZE METAL GLAZE	0 55	1/8W 1/8W	
Q582 Q610	8-729-216-22 8-729-177-22	TRANSISTOR 25A11 TRANSISTOR 25B77	62-G 2-Q		JR221 JR222 JR223	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 55 0 55 0 55	1/8W 1/8W 1/8W	
Q683	8-729-140-96	TRANSISTOR 2SD77	4EK 4-34		JR225 JR226 JR227	1-216-296-00	METAL GLAZE METAL GLAZE	0 55	1/8W 1/8W 1/8W	
JR101	<res< td=""><td>ISTOR></td><td>5% 1/10</td><td>W</td><td>JR228 JR229 JR230</td><td>1-216-296-00 1-216-296-00 1-216-296-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>0 57 0 57 0 57</td><td>1/8W 1/8W 1/8W</td><td></td></res<>	ISTOR>	5% 1/10	W	JR228 JR229 JR230	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 57 0 57 0 57	1/8W 1/8W 1/8W	
JR102 JR104 JR105 JR107	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	TRANSISTOR 2SC24 TRANSISTOR DTA14 TRANSISTOR DTA14 TRANSISTOR 2SC24 TRANSISTOR 2SC27 TRANSISTOR 2SC24 TRANSISTOR 2SC27 TRANSISTOR 2SC24 TRANSI	5% 1/10 5% 1/10 5% 1/10 5% 1/10	W W W	JR231 JR232 JR233	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 57 0 57 0 57	1/8W 1/8W 1/8W	
JR110 JR111	1-216-295-00 1-216-295-00	METAL GLAZE O	5% 1/10 5% 1/10	W	JR234 JR235	1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	0 57	1/8W 1/8W	
JR112 JR113 JR114	1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE O METAL GLAZE O METAL GLAZE O	5% 1/10 5% 1/10 5% 1/10	W W	JR236 JR237 JR238 JR239	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/8W	
JR115 JR116 JR117	1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE O METAL GLAZE O METAL GLAZE O	5% 1/10 5% 1/10 5% 1/10	N N	JR240 JR241	1-216-296-00 1-216-296-00	METAL GLAZE	0 52	1/8W 1/8W	
JR118 JR119	1-216-295-00	METAL GLAZE O	5% 1/10 5% 1/10	M M	JR242 JR243 JR245	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5%	1/8W 1/8W 1/8W	
JR121 JR122 JR123	1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE O METAL GLAZE O METAL GLAZE O	5% 1/10 5% 1/10 5% 1/10	A W	JR248 JR250	1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	0 5%	1/8W 1/8W	
JR125 JR127	1-216-295-00	METAL GLAZE O	5% 1/10 5% 1/10	W W	JR251 JR252 JR253	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 52 0 52 0 52	1/8W 1/8W 1/8W	
JR131 JR132 JR133	1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE O METAL GLAZE O METAL GLAZE O	5% 1/10 5% 1/10 5% 1/10 5% 1/10		JR254 JR255 JR256	1-216-296-00 1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 52 0 52 0 52	1/8W 1/10W 1/8W	
JR134 JR136	1-216-296-00 1-216-295-00	METAL GLAZE O	5% 1/8W 5% 1/10	ų.	JR257 JR258	1-216-295-00	METAL GLAZE METAL GLAZE	0 5%	1/10W 1/8W	
JR137 JR138 JR140		METAL GLAZE O METAL GLAZE O METAL GLAZE O	5% 1/10 5% 1/10 5% 1/10	9 9	JR270 JR272 R071 R072	1-216-295-00 1-216-295-00 1-216-041-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 57 0 57 470 57 220 57 220 57	1/10W 1/10W 1/10W 1/10W	
JR141 JR142 JR143	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE O METAL GLAZE O METAL GLAZE O	5% 1/10 5% 1/10 5% 1/10 5% 1/10 5% 1/10	d d	R073	1-216-033-00 1-216-198-00	METAL GLAZE METAL GLAZE			
JR144 JR150	1-216-295-00	METAL GLAZE O METAL GLAZE O		î	R076 R077 R101	1-216-057-00 1-216-025-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 5% 100 5% 100 5%	1/10W 1/10W 1/10W	
	1-216-295-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE O METAL GLAZE O METAL GLAZE O METAL GLAZE O	5% 1/10' 5% 1/8W 5% 1/8W 5% 1/8W 5% 1/8W	v	R102	1-216-049-00 1-216-059-00	METAL GLAZE	2.7K 5%		
	1-216-296-00 1-216-296-00	METAL GLAZE O METAL GLAZE O			R105 R108 R115 R201	1-216-073-00 1-216-230-00 1-216-210-00 1-216-653-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP	22K 5% 3.3K 5%	1/8W	
JR206 JR207 JR208	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE O METAL GLAZE O METAL GLAZE O	5% 1/8W 5% 1/8W 5% 1/8W		R202 R203	1-216-653-11 1-216-067-00	METAL CHIP METAL GLAZE	1.2K 0. 5.6K 5%	50% 1/10W 1/10W	
JR209 JR210	1-216-296-00 1-216-296-00	METAL GLAZE O METAL GLAZE O			R204 R205 R206	1-216-091-00 1-216-071-00 1-216-071-00	METAL GLAZE METAL GLAZE METAL GLAZE	56K 5% 8.2K 5% 8.2K 5%	1/10W 1/10W 1/10W	
JR211	1-216-296-00	METAL GLAZE O METAL GLAZE O	5% 1/8W 5% 1/8W 5% 1/8W		R207	1-216-057-00	METAL GLAZE	2.2K 5%		



RE	F.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R R R	208 209 210 211 212	1-216-057-00 1-249-377-11 1-247-734-11 1-247-734-11 1-216-049-00	METAL GLAZE CARBON CARBON CARBON METAL GLAZE	2.2K 0.47 39 39	5% 5% 5% 5%	1/10W 1/4W 1/2W 1/2W 1/10W	F	R317	1-216-085-00 1-216-073-00 1-216-041-00 1-249-413-11	METAL GLAZE METAL GLAZE	33K 10K 470 470	5% 5%	1/10W 1/10W 1/10W 1/4W	
R: R: R:	213 214 215 216	1-216-073-00 1-216-049-00 1-216-073-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 1K 10K 1K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		R320 R321	1-216-174-00 1-216-039-00 1-216-041-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 390 470 1K	5% 5% 5% 5%	1/8W 1/10W 1/10W 1/10W	
R	217 218 221	1-216-045-00 1-216-081-00 1-212-849-00	METAL GLAZE METAL GLAZE FUSIBLE	680 22K 4.7	5% 5% 5%	1/10W 1/10W 1/4W		R328	1-216-041-00 1-216-073-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE	470 10K 100	5% 5% 5%	1/10W 1/10W 1/10W	
R: R: R:	222 223 224 225	1-216-049-00 1-216-045-00 1-249-433-11 1-212-849-00	METAL GLAZE METAL GLAZE CARBON FUSIBLE	1K 680 22K 4.7	5% 5% 5%	1/10W 1/10W 1/4W		R330	1-216-023-00 1-216-053-00 1-216-097-00 1-216-182-00 1-216-182-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	82 1.5K 100K 220 220	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/8W 1/8W	
R R R R	226 227 228 229	1-249-412-11 1-216-081-00 1-216-081-00 1-216-039-00	CARBON METAL GLAZE METAL GLAZE METAL GLAZE	390 22K 22K 390	5% 5% 5% 5%	1/4W 1/10W 1/10W 1/10W		R336 R337 R338 R339	1-216-178-00 1-216-041-00 1-216-035-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	150 470 270 100	555555555555555555555555555555555555555	1/8W 1/10W 1/10W 1/10W	
R: R: R:	230 231 232 233 234	1-216-246-00 1-216-097-00 1-216-081-00 1-216-071-00 1-216-077-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100K 100K 22K 8.2K 15K	5% 5% 5% 5% 5%	1/8W 1/10W 1/10W 1/10W 1/10W		R342 R343 R344	1-216-025-00 1-216-025-00 1-216-033-00 1-216-022-00 1-216-022-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 100 220 75 75	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R: R: R:	235 236 237 238 239	1-216-073-00 1-216-081-00 1-216-025-00 1-216-025-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 22K 100 100	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R345	1-216-171-00 1-216-022-00 1-216-083-00 1-216-029-00 1-216-029-00	METAL GLAZE METAL GLAZE METAL GLAZE	75 75 27K 150 150	5% 5% 5% 5% 5% 5% 5%	1/8W 1/10W 1/10W 1/10W 1/10W	
R: R: R:	241 242 244 245 246	1-216-065-00 1-216-214-00 1-216-069-00 1-216-089-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 4.7K 6.8K 47K 100K	5% 5% 5%	1/10W 1/8W 1/10W 1/10W 1/10W		R350	1-216-178-00 1-216-073-00 1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	150 10K 220 220	5% % % % % % % % % % % % % % % % % % %	1/8W 1/8W 1/10W 1/10W 1/10W	
R: R: R:	247 248 249 250 251	1-216-073-00 1-216-073-00 1-216-045-00 1-216-095-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 10K 680 82K 4.7K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R355 R356 R357 R358	1-216-033-00 1-216-033-00 1-216-041-00 1-216-031-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 220	5% 5% 55% 55% 55% 55% 55% 55% 55% 55% 5	1/10W 1/10W 1/10W 1/10W 1/10W	
R:	252	1-216-073-00 1-216-073-00 1-216-252-00	METAL GLAZE	10K 10K	5% 5%	1/10W 1/10W 1/10W 1/8W		R361	1-216-033-00 1-216-033-00	METAL GLAZE METAL GLAZE			1/10W 1/10W 1/10W	
R: R:	255 256	1-216-252-00 1-249-409-11 1-249-409-11	CARBON	180K 180K 220	5%	1/8W 1/4W 1/4W		R365 R366 R367 R368	1-216-073-00 1-216-067-00 1-216-212-00 1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 5.6K 3.9K 220	5% 5% 5%	1/10W 1/10W 1/8W 1/10W	
K.	257 258 259 260 301	1-216-089-00 1-216-063-00 1-216-212-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	47K 3.9K 3.9K 470	5% 5% 5% 5%	1/10W 1/10W 1/8W 1/10W		R369 R370 R371 R373	1-216-033-00 1-216-033-00 1-216-033-00 1-216-017-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 220 220 47	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
R R R	302 303 304 305 306	1-216-041-00 1-216-174-00 1-216-174-00 1-216-035-00 1-216-035-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470 100 100 270 270	5% 5% 5% 5%	1/10W 1/8W 1/8W 1/10W 1/10W		R376 R377 R378 R379 R380	1-216-065-00 1-216-051-00 1-216-057-00 1-216-206-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 1.2K 2.2K 2.2K 2.2K 2.2K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/8W 1/10W	
R R R	307 308 309 310 311	1-216-075-00 1-216-121-00 1-216-001-00 1-216-001-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	12K 1M 10 10 4.7K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R381 R382 R383 R401	1-216-057-00 1-216-164-00 1-216-164-00 1-216-164-00 1-216-171-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	39 39 39 39 75	5% 5% 5% 5%	1/8W 1/8W 1/8W 1/8W	
R: R: R:	312 313 314	1-249-413-11 1-216-081-00 1-249-409-11	CARBON METAL GLAZE CARBON	470 22K 220	5% 5% 5%	1/4W 1/10W 1/4W		R402 R403 R404	1-216-158-00 1-216-025-00 1-216-158-00	METAL GLAZE METAL GLAZE	22 100 22	5% 5% 5%	1/8W 1/10W	
R	315	1-249-409-11	CARBON	220	5%	1/4W		R405	1-216-025-00	METAL GLAZE	100	5%	1/10W	

A IF(KV-S3411A/S3411D)

REF.NO. PART NO.	DESCRIPTION	_			PART NO.	DESCRIPTION		REMARK
R406 1-216-158-00 R407 1-216-025-00 R408 1-216-093-00 R410 1-216-067-00	METAL GLAZE 68K METAL GLAZE 5.6K	5% 1/8W 5% 1/10W 5% 1/10W 5% 1/10W		C103 C104 C105	1-164-232-11 1-164-004-11		10% 10%	50V 50V 25V
R411 1-216-067-00 R412 1-216-022-00 R413 1-216-022-00 R414 1-216-022-00	METAL GLAZE 5.6K METAL GLAZE 75 METAL GLAZE 75 METAL GLAZE 75	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W	F	C106 C107 C108 C109 C112	1-164-004-11 1-164-232-11	CERAMIC CHIP 0.1MF CERAMIC CHIP 0.1MF	20% 10% 10% 10% 10%	16V 25V 25V 50V 25V
R416 1-216-113-00 R417 1-216-067-00 R419 1-216-113-00 R420 1-216-067-00 R423 1-216-015-00	METAL GLAZE 5.6K METAL GLAZE 470K METAL GLAZE 5.6K	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W		C113 C114 C115 C116 C118	1-163-101-00 1-124-477-11 1-164-232-11 1-164-346-11 1-164-004-11	CERAMIC CHIP 22PF ELECT 47MF CERAMIC CHIP 0.01MF CERAMIC CHIP 1MF CERAMIC CHIP 0.1MF	5% 20% 10%	50V 16V 50V 16V 25V
R424 1-216-025-00 R425 1-216-025-00 R426 1-216-025-00 R427 1-216-025-00	METAL GLAZE 100 METAL GLAZE 100	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W		C119 C121 C122		CERAMIC CHIP 47PF CERAMIC CHIP 22PF CERAMIC CHIP 33PF CERAMIC CHIP 22PF CERAMIC CHIP 0.1MF		50V 50V 50V 50V
R428 1-249-393-1: R572 1-216-198-00 R574 1-216-041-00	CARBON 10 METAL GLAZE 1K METAL GLAZE 470	5% 1/4W 5% 1/8W 5% 1/10W	F	C124 C130 C131	1-216-295-00 1-163-093-00	METAL GLAZE 0 5%	1/10W	25V 50V
R575 1-216-037-00 R581 1-216-033-00 R582 1-216-037-00 R583 1-216-053-00 R584 1-216-039-00	METAL GLAZE 330 METAL GLAZE 220 METAL GLAZE 330 METAL GLAZE 1.5K METAL GLAZE 390	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W		C153 C152 C153	1-164-337-11	CERAMIC CHIP 2.2MF CERAMIC CHIP 2.2MF		16V 16V 16V
R586 1-216-047-00 R587 1-216-045-00 R588 1-216-101-00 R589 1-216-073-00	METAL GLAZE 820 METAL GLAZE 680 METAL GLAZE 150K METAL GLAZE 10K	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W		C155 C156 C161 C162		CERAMIC CHIP 100PF CERAMIC CHIP 0.22MF		50V 16V 50V 25V
R590 1-216-049-00 R591 1-216-073-00 R592 1-216-232-00 R593 1-216-063-00	METAL GLAZE 1K METAL GLAZE 1OK METAL GLAZE 27K METAL GLAZE 3.9K	5% 1/4W 5% 1/10W 5% 1/10W		C163 C164 C165 C166 C167	1-164-346-11 1-163-141-00 1-164-232-11 1-124-477-11 1-163-213-00	CERAMIC CHIP 1MF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.01MF ELECT 47MF CERAMIC CHIP 0.0022MF	5% 10% 20% 5%	16V 50V 50V 16V 50V
R594 1-216-053-00 R595 1-216-643-11 R596 1-216-670-11 R597 1-216-230-00	METAL GLAZE 1.5K METAL CHIP 470 METAL CHIP 6.2K METAL GLAZE 22K	5% 1/10W 0.50% 1/10W 0.50% 1/10W 5% 1/8W		C168 C170 C171 C172	1-164-346-11	CERAMIC CHIP 1MF ELECT 47MF ELECT 47MF ELECT 47MF ELECT 47MF	20% 20% 20%	16V 16V 16V 16V
R600 1-216-190-00 R616 1-216-035-00 R628 1-249-412-11	· · · · · · · · · · · · · · · · · · ·	2/6 21 211	-	•			20%	16V
	METAL OXIDE 4.7 METAL GLAZE 820 METAL GLAZE 1K	5% 1/10W 5% 1/10W	r	CF2 CF3 CF4 SWF1	1-527-839-00 1-527-840-00 1-567-570-11 1-579-658-11	TER> FILTER, CERAMIC FILTER, CERAMIC FILTER, CERAMIC FILTER, SAWTOOTH WAVE		
TU101 1-693-185-11	NER>			 		NECTOR>		
	(KV-S3411A, TUNER (U944C) (KV-S	\$3411B,\$3411E 33412U)), S3413E)	CN1 CN2	1-750-173-11	PIN, CONNECTOR (PC BOARD PIN, CONNECTOR (PC BOARD		
	YSTAL>			1 1 1	<tri< td=""><td>MMER></td><td></td><td></td></tri<>	MMER>		
	OSCILLATOR, CRYSTAL OSCILLATOR, CRYSTAL			CT1	1-404-801-11	TRAP, CERAMIC		
	1F BLOCK (IFH-389) ************************************	·\$3411A,\$3411E		D161	<dio 8-719-400-18</dio 	DE> DIODE MA152WK		
<ca< td=""><td>PACITOR></td><td></td><td></td><td></td><td><1C></td><td></td><td></td><td></td></ca<>	PACITOR>				<1C>			
C101 1-163-121-00 C102 1-164-222-11	CERAMIC CHIP 150PF CERAMIC CHIP 0.22MF	5%	50V 25V	IC1 IC2 IC3	8-759-070-76 8-759-070-71 8- 7 59-514-54	IC TDA9820		

IF(KV-S3411A/S3411D)

IF (KV-S3411B)

REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
L101	<011 1-408-421-00	L> INDUCTOR	100UH			R120 R121 R122	1-216-075-00 1-216-053-00 1-216-061-00	METAL GLAZE	12K 1.5K 3.3K	5% 5% 5%	1/10W 1/10W 1/10W	
L 102 L 103 L 104 L 121	1-408-419-00 1-408-419-00 1-408-408-00 1-408-413-00	INDUCTOR INDUCTOR INDUCTOR INDUCTOR	68UH 68UH 8.2UH 22UH			R123 R124 R125 R127	1-216-075-00 1-216-041-00 1-216-041-00 1-216-047-00	METAL GLAZE METAL GLAZE METAL GLAZE	12K 470 470 820	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
L122 L142 L151 L161	PART NO	INDUCTOR INDUCTOR INDUCTOR INDUCTOR	82UH 0.56UH 68UH 68UH			R130 R131 R132 R133	1-216-049-00 1-216-025-00 1-216-069-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE	100 6.8K 3.3K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
	<tra< td=""><td>NSISTOR></td><td></td><td></td><td></td><td>R134 R135</td><td>1-216-049-00 1-216-198-00</td><td>METAL GLAZE</td><td>1 K 1 K</td><td>5% 5%</td><td>1/10W 1/8W</td><td></td></tra<>	NSISTOR>				R134 R135	1-216-049-00 1-216-198-00	METAL GLAZE	1 K 1 K	5% 5%	1/10W 1/8W	
Q101 Q102 Q121 Q122 Q161	8-729-216-22 8-729-120-28 8-729-216-22 8-729-216-22	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	5A1162-G 5C1623-L5I 5A1162-G 5A1162-G	.6		R151 R152 R153 R154	1-216-043-00	METAL GLAZE	560 560 560 100 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
Q 170 Q 171 Q 172 Q 173	8-729-120-28 8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	601623-L51 601623-L51 601623-L51 601623-L51	6 6 6 6		R155 R156 R157 R159 R160	1-216-051-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1.2K 27K 1.2K 270K 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
	<res< td=""><td>ISTOR></td><td></td><td></td><td></td><td>R161 R162</td><td>1-218-755-11 1-216-073-00</td><td>METAL CHIP METAL GLAZE</td><td>130K</td><td>0.50%</td><td>1/10W</td><td></td></res<>	ISTOR>				R161 R162	1-218-755-11 1-216-073-00	METAL CHIP METAL GLAZE	130K	0.50%	1/10W	
JR2 JR3 JR4 JR7	1-216-295-00 1-216-296-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5%	1/10W 1/8W 1/10W 1/10W		R163 R164 R165	1-216-113-00 1-216-113-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE	470K 470K 22K		1/10W 1/10W 1/10W	
JR8 JR9 JR11	1-216-296-00 1-216-296-00					R169	1-216-073-00 1-216-113-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 10K 470K 1K 27K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
JR14 JR16 JR18	1-216-296-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 57 0 57 0 57 0 57 0 57	1/8W 1/10W 1/10W		R170	1-216-075-00	METAL GLAZE	12K		1/10W	
JR19 JR20 JR21	1-216-296-00 1-216-296-00 1-216-296-00		0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/8W		R172 R173 R174 R175	1-216-095-00 1-216-059-00 1-216-057-00 1-216-083-00 1-216-075-00 1-216-059-00 1-216-057-00 1-216-037-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	82K 2.7K 2.2K 27K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
J R24	1-216-296-00	METAL GLAZE	0 5%	1/8W	•	R176 R177	1-216-075-00 1-216-095-00	METAL GLAZE METAL GLAZE	12K 82K 2.7K 2.2K 330	5% 5%	1/10W 1/10W 1/10W	
JR25 JR29 JR30	1-216-296-00 1-216-296-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 57 0 57 0 57 0 57	1/8W 1/8W 1/10W		R179 R180	1-216-037-00 1-216-037-00 1-216-037-00	METAL GLAZE METAL GLAZE	2.2K 330	5% 5%	1/10W 1/10W	
JR33 JR38	1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE	0 5%			R181	1-216-037-00	METAL GLAZE	330	5%	1/10W	
JR39 JR40 R 101	1-216-296-00 1-216-296-00 1-216-075-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 57 0 57 12K 57	1/8W 1/8W 1/10W				IABLE RESISTOR				
R 102 R 103	1-216-073-00 1-216-057-00	METAL GLAZE METAL GLAZE	0 57 12K 57 10K 57 2.2K 57	1/10W 1/10W		RV1	1-241-121-11	RES, ADJ, CAR	BON 4.	7K		
R 104 R 106	1-216-051-00 1-216-049-00	METAL GLAZE METAL GLAZE	1.2K 57 1K 57 4.7K 57	1/10W 1/10W 1/10W		T4	<tra< td=""><td>NSFORMER></td><td></td><td></td><td></td><td></td></tra<>	NSFORMER>				
R 107 R 108 R 110	1~216-065-00 1-216-065-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 470 5%	1/10W 1/10W 1/10W		T5	1-416-018-21		*****	*****	****	
R 113 R 114 R 115 R 116	1-216-031-00 1-216-049-00 1-216-027-00 1-216-101-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	180 5% 1K 5% 120 5% 150K 5%	1/10W 1/10W		1		IF BLOCK (IFH	-389F)	(KV-S		
R 117 R 118	1-216-097-00 1-216-117-00	METAL GLAZE	680K 5%	1/10W				ACITOR>	0.0015	мп	108	rov
R 119	1-216-240-00	METAL GLAZE	56K 52	1/8W		C1 C2 C3		CERAMIC CHIP CERAMIC CHIP ELECT			10% 10% 20%	50V 50V 50V

IF (KV-S3411B)

REF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION	V	REMARK
C4 C5 C6 C7 C8	1-164-232-11 1-164-232-11 1-163-017-00 1-164-232-11 1-163-017-00	CERAMIC CHIP 0.01M CERAMIC CHIP 0.01M CERAMIC CHIP 0.004 CERAMIC CHIP 0.01M CERAMIC CHIP 0.004	F 10% 7MF 10% F 10%	50V 50V 50V 50V 50V 50V	CT1 CT2 CV1	1-404-801-11 1-409-429-11 1-141-245-00	TRAP, CERAMI CAP, TRIMMEN	[C }	
C9 C10 C11 C13 C14	1-124-916-11 1-164-232-11 1-124-477-11 1-163-059-00 1-124-477-11	CERAMIC CHIP 0.01M	F 10% 20%	25V 50V 16V 50V 16V	CV2 CV3	1-141-245-00 1-141-304-21	CAP, TRIMMER TRIMMER, CEF	}	
C15 C16 C17 C18 C19	1-124-903-11 1-163-061-00 1-162-638-11 1-162-638-11 1-163-141-00	ELECT 1MF CERAMIC CHIP 0.015 CERAMIC CHIP 1MF CERAMIC CHIP 1MF CERAMIC CHIP 0.001		50V 50V 16V 16V 50V	D7 D8 D9	8-719-421-57 8-719-421-57 8-719-421-57	DIODE MA73-1 DIODE MA73-1	ľX	
C20 C21 C22 C23 C24	1-124-902-00 1-124-903-11 1-164-232-11 1-124-902-00 1-164-506-11	ELECT 0.47M ELECT 1MF CERAMIC CHIP 0.01M ELECT 0.47M CERAMIC CHIP 4.7MF	F 20% 20% F 10% F 20%	50V 50V 50V 50V 16V	IC1 IC2 IC3	8-759-070-75 8-759-070-71 8-759-979-62	IC M52312SP IC TDA9820		
C25 C26 C27 C28 C33	1-124-477-11 1-164-232-11 1-164-232-11 1-124-477-11 1-124-907-11	ELECT 47MF CERAMIC CHIP 0.01M CERAMIC CHIP 0.01M ELECT 47MF	20%	16V 50V 50V 16V 50V	L1 L2 L3 L4	<pre><col 1-408-407-00="" 1-408-419-00="" 1-408-419-00<="" pre=""/></pre>	INDUCTOR INDUCTOR INDUCTOR INDUCTOR	68UH 68UH 6.8UH 68UH	
C34 C35 C36 C37 C38	1-124-907-11 1-124-925-11 1-124-477-11 1-164-232-11 1-163-017-00	ELECT 10MF ELECT 2.2MF ELECT 47MF CERAMIC CHIP 0.01M CERAMIC CHIP 0.004	20% 20% F 10%	50V 50V 16V 50V 50V	L5 L7 L9 L71 L101	1-408-419-00 1-408-406-00 1-408-419-00 1-408-419-00 1-408-399-00	INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR	68UH 5.6UH 68UH 68UH 1.5UH	
C40 C71 C72 C80	1-164-232-11 1-124-477-11 1-164-232-11 1-124-477-11	CERAMIC CHIP 0.01M ELECT 47MF CERAMIC CHIP 0.01M ELECT 47MF	20%	50V 16V 50V 16V	L121	1-408-407-00 <tra< td=""><td>NSISTOR></td><td>6.8UH</td><td></td></tra<>	NSISTOR>	6.8UH	
C83 C84 C85 C86 C87	1-124-477-11 1-124-477-11 1-124-477-11 1-124-477-11 1-124-477-11	ELECT 47MF ELECT 47MF ELECT 47MF ELECT 47MF	20% 20% 20% 20% 20% 20%	16V 16V 16V 16V 16V	Q1 Q4 Q5 Q6 Q7	8-729-907-06 8-729-120-28 8-729-115-10 8-729-900-52 8-729-216-22	TRANSISTOR B TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR D TRANSISTOR 2	SC1623-L5L6 SK105A-10 TC114YK	
C91 C95 C101	1-163-229-11 1-164-337-11 1-163-017-00 1-163-017-00	CERAMIC CHIP 12PF CERAMIC CHIP 2.2MF CERAMIC CHIP 0.004 CERAMIC CHIP 0.004 CERAMIC CHIP 0.004	5% 7MF 10% 7MF 10%	50V 16V 50V 50V 50V	Q8 Q10 Q11 Q12 Q13	8-729-120-28 8-729-120-28 8-729-120-28 8-729-120-28 8-729-120-28	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC1623-L5L6 SC1623-L5L6 SC1623-L5L6	
C105 C106 C121 C122 C131	1-163-017-00 1-163-017-00 1-126-176-11 1-163-119-00 1-126-099-11	CERAMIC CHIP 0.004	7MF 10%	50V 50V 10V 50V 35V	Q14 Q15 Q16 Q101 Q121	8-729-120-28 8-729-120-28 8-729-216-22 8-729-104-80 8-729-120-28	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC1623-L5L6 SA1162-G SC3355	
	<fil< td=""><td>TFR></td><td></td><td></td><td></td><td><res< td=""><td>ISTOR></td><td></td><td></td></res<></td></fil<>	TFR>				<res< td=""><td>ISTOR></td><td></td><td></td></res<>	ISTOR>		
CF1 CF2 CF3 CF4 SWF1	1-527-839-00 1-567-569-11	FILTER, CERAMIC FILTER, CERAMIC FILTER, CERAMIC	VE		JR2 JR3 JR5 R1 R2	1-216-295-00 1-216-296-00 1-216-296-00 1-216-025-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 100 5% 4.7K 5%	1/10W 1/8W 1/8W 1/10W 1/10W
SWF3 SWF4	1-404-711-11 1-579-660-11	FILTER, SAWTOOTH W	AVE		R3 R4 R5 R6 R8	1-216-065-00 1-216-041-00 1-216-021-00 1-216-055-00 1-216-051-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 470 5% 68 5% 1.8K 5% 1.2K 5%	1/10W 1/10W 1/10W 1/10W 1/10W
CN1 CN2	1-750-173-11	NECTOR> PIN, CONNECTOR (PC PIN, CONNECTOR (PC			R9	1-216-069-00		6.8K 5%	1/10W

IF (KV-S3411B) **IF** (KV-S3412U)

REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R10 R11 R24 R25 R26	1-216-071-00 1-216-059-00 1-216-280-00 1-216-057-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	8.2K 2.7K 2.7M 2.2K 3.3K	5% 5% 5%	1/10W 1/10W 1/8W 1/10W 1/10W		R103 R104	1-216-065-00 1-216-063-00 1-216-049-00 1-216-033-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 3.9K 5% 1K 5% 220 5% 10K 5% 4.7K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R27 R28 R29 R30 R31	1-216-266-00 1-216-075-00 1-216-035-00 1-216-049-00 1-216-017-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	680K 12K 270 1K 47	5% 5% 5% 5%	1/8W 1/10W 1/10W 1/10W 1/10W		R122	1-216-065-00 1-216-065-00 1-216-041-00 1-216-041-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470 5% 470 5% 470 5% 1K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R32 R33 R34 R35 R36	1-216-043-00 1-216-037-00 1-216-252-00 1-216-035-00 1-216-029-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	560 330 180K 270 150	5% 5% 5% 5% 5%	1/10W 1/10W 1/8W 1/10W 1/10W		R302 R303 R304 R305 R306	1-216-049-00 1-216-049-00 1-216-037-00 1-216-049-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 330 5% 1K 5% 100 5% 330 5% 330 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
R37 R38 R39 R40 R42	1-216-049-00 1-216-099-00 1-216-089-00 1-216-049-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 120K 47K 1K 3.3K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		R307 R308	1-216-037-00 1-216-037-00	METAL GLAZE	330 5%	1/10W 1/10W	
R43 R44 R45 R46 R47	1-216-067-00 1-216-027-00 1-216-041-00 1-216-031-00 1-216-075-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	5.6K 120 470 180 12K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		RV2	1-241-120-11	RES, ADJ, CAF			
R48 R49 R53 R54 R55	1-216-081-00 1-216-049-00 1-216-082-00 1-216-043-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	22K 1K 24K 560 560	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		T1 T3 T4 T5	1-404-806-21 1-416-012-11 1-416-012-11 1-402-720-11	COIL			
R56 R57 R58 R59 R60	1-216-065-00 1-216-065-00 1-216-041-00 1-216-043-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 4.7K 470 560 560	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		X1 *****		STAL> VIBRATOR, CEF		******	******
R61 R63 R71 R72 R73	1-216-295-00 1-216-043-00 1-216-079-00 1-216-079-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 560 18K 18K 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W			<cap< td=""><td>IF BLOCK (IFF</td><td>*****</td><td>S3412U)</td><td></td></cap<>	IF BLOCK (IFF	*****	S3412U)	
R74 R75 R76 R77 R81	1-216-079-00 1-216-079-00 1-216-025-00 1-216-174-00 1-216-095-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	18K 18K 100 100 82K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/8W 1/10W		C101 C102 C103 C104 C105	1-164-222-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.22MF 0.01MF 0.01MF	5% 10% 10% 10%	50V 25V 50V 50V 25V
R82 R83 R84 R85 R86	1-216-121-00 1-216-025-00 1-216-085-00 1-216-085-00 1-216-689-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1M 100 33K 33K 39K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C106 C107 C108 C109 C112	1-124-477-11 1-164-004-11 1-164-004-11 1-164-232-11 1-164-004-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 0.01MF	20% 10% 10% 10% 10%	16V 25V 25V 50V 25V
R87 R88 R89 R90 R91	1-216-095-00 1-216-095-00 1-216-095-00 1-216-075-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	82K 82K 82K 12K 0	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C113 C114 C115 C116 C118	1-163-101-00 1-124-477-11 1-164-232-11 1-164-346-11 1-164-004-11	CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	47MF 0.01MF 1MF	5% 20% 10% 10%	50V 16V 50V 16V 25V
R92 R93 R94 R95 R96	1-216-075-00 1-216-075-00 1-216-059-00 1-216-059-00 1-216-059-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	12K 12K 2.7K 2.7K 2.7K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		C119 C122 C130 C131 C133	1-163-369-11 1-163-093-00 1-216-295-00 1-163-224-11 1-124-477-11	CERAMIC CHIP CERAMIC CHIP METAL GLAZE CERAMIC CHIP ELECT	10PF 0 5%	5% 5% 1/10W 0.25PF 20%	16V
R97 R98 R99 R100	1-216-057-00 1-216-057-00 1-216-057-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 2.2K 2.2K 4.7K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W		C161 C162 C163 C164	1-163-117-00 1-164-222-11 1-164-346-11 1-163-141-00	CERAMIC CHIP	0.22MF 1MF	5% 5%	50V 25V 16V 50V

IF (KV-S3412U)

REF. NO	. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
C165 C166 C167 C168 C170	1-164-232-11 1-124-477-11 1-163-213-00 1-164-346-11 1-124-477-11	CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP ELECT				į	1-216-296-00 1-216-295-00 1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE			
	1-124-477-11 <fil< td=""><td>ELECT</td><td>47MF</td><td>20%</td><td>167</td><td>JR20 JR21 JR23 JR24 JR25</td><td>1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE</td><td>0 5% 0 5% 0 5% 0 5% 0 5%</td><td>1/8W 1/8W 1/8W 1/8W 1/8W</td><td></td></fil<>	ELECT	47MF	20%	167	JR20 JR21 JR23 JR24 JR25	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5% 0 5%	1/8W 1/8W 1/8W 1/8W 1/8W	
CD1 CF1 SWF1	1-579-657-21 1-567-569-11 1-579-659-11	FILTER, CERA	R, CERAMIC MIC DOTH WAVE			JR29 JR30 JR33 JR38 JR38 JR39	1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 59		
CN1 CN2	1-750-173-11 1-750-173-11	NECTOR> PIN, CONNECTO PIN, CONNECTO	OR (PC BOARD OR (PC BOARD) 10P) 10P		JR40 JR41 JR42 JR101 R101		METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE		1/8W	
CT1	<tri 1-409-333-00 <dio< td=""><td>TRAP, CERAMI</td><td></td><td></td><td></td><td>R102 R103 R104</td><td>1-216-045-00 1-216-057-00 1-216-051-00 1-216-043-00 1-216-049-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE</td><td>680 5% 2.2K 5% 1.2K 5% 560 5%</td><td>1/10W 1/10W 1/10W 1/10W 1/10W</td><td></td></dio<></tri 	TRAP, CERAMI				R102 R103 R104	1-216-045-00 1-216-057-00 1-216-051-00 1-216-043-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	680 5% 2.2K 5% 1.2K 5% 560 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
D161	8-719-400-18 <ic></ic>		(R107 R108 R110 R112 R113	1-216-065-00 1-216-065-00 1-216-041-00 1-216-045-00 1-216-031-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 5% 4.7K 5% 470 5% 680 5% 180 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
1C1 1C3	8-759-070-76 8-759-514-54 <coi< td=""><td>IC BA7046</td><td></td><td></td><td></td><td>R114 R115 R116 R117</td><td>1-216-049-00 1-216-031-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE</td><td>1K 5% 180 5% 150K 5% 100K 5% 680K 5%</td><td></td><td></td></coi<>	IC BA7046				R114 R115 R116 R117	1-216-049-00 1-216-031-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 180 5% 150K 5% 100K 5% 680K 5%		
L101 L102 L103 L104 L105	1-408-414-00 1-408-419-00 1-408-419-00 1-408-406-00 1-408-410-00	INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR	27UH 68UH 68UH 5.6UH 12UH			R121	1-216-240-00 1-216-075-00 1-216-053-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	56K 5% 12K 5% 1.5K 5% 3.3K 5% 3.3K 5%		
L142 L161	1-410-790-41 1-408-419-00	INDUCTOR INDUCTOR NSISTOR>	0.56UH 68UH			R130 R131 R132 R133	1-216-049-00 1-216-025-00 1-216-069-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 100 5% 6.8K 5% 3.3K 5%	1/10W 1/10W 1/10W 1/10W	
Q101 Q102 Q122 Q161 Q172	8-729-120-28 8-729-216-22 8-729-216-22 8-729-216-22 8-729-120-28	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	5A1162-G 5A1162-G 5A1162-G 5C1623-L5L6			R134 R135 R153 R159 R160 R161	1-216-049-00 1-216-198-00 1-216-025-00 1-216-107-00 1-216-049-00 1-218-755-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL CHIP	1K 5% 1K 5% 100 5% 270K 5% 1K 5% 130K 0.	1/10W 1/8W 1/10W 1/10W 1/10W 50% 1/10W	
Q173 JR1	8-729-120-28 <res 1-216-296-00</res 	TRANSISTOR 25 ISTOR> METAL GLAZE		1/8W		R162 R163 R164 R165 R166	1-216-073-00 1-216-113-00 1-216-113-00 1-216-081-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 470K 5% 470K 5% 22K 5% 1K 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
JR2 JR3 JR4 JR7	1-216-295-00 1-216-296-00 1-216-295-00 1-216-295-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5% 0 5% 0 5% 0 5%	1/10W 1/8W 1/10W 1/10W		R167 R168 R169 R175	1-216-073-00 1-216-113-00 1-216-049-00 1-216-083-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 5% 470K 5% 1K 5% 27K 5%	1/10W 1/10W 1/10W 1/10W	
JR8 JR9 JR10 JR11 JR12 JR13	1-216-295-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-295-00 1-163-093-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE CERAMIC CHIP	0 5% 0 5% 0 5% 0 5% 0 5%	1/10W 1/8W 1/8W 1/8W 1/10W	50V	R176 R177 R178 R179 R181	1-216-075-00 1-216-095-00 1-216-059-00 1-216-057-00 1-216-037-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	12K 5% 82K 5% 2.7K 5% 2.2K 5% 330 5%	1/10W 1/10W 1/10W 1/10W 1/10W	

						IF	(KV-S3	412U)	V	W	V
REF.NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.		DESCRIPTION			REMAI	RK
	TABLE RESISTOR>			Q1708 Q1709	8-729-255	5-12	TRANSISTOR BI TRANSISTOR 25	7199 502551-0			
T4 1-416-017-21 T5 1-416-018-21	COIL			R1702	1-249-405 1-249-419 1-249-405 1-249-418 1-247-736	-11 -11 -11	CARBON CARBON	100 5% 1.5K 5% 100 5% 1.2K 5% 56 5%	1/4W 1/4W 1/4W 1/4W 1/2W	F	
*A-1342-189-A	VM BOARD, COMPLETE ***********************************			R1709	1-249-414 1-249-411 1-249-418 1-249-385 1-249-432	-11 -11 -11	CARBON CARBON CARBON CARBON CARBON	560 5% 330 5% 1.2K 5% 2.2 5% 18K 5%	1/4W 1/4W 1/4W 1/4W 1/4W	f	
C1701 1-124-119-00 C1702 1-102-951-00	ACITOR> ELECT 330MF CERANIC 15PF	20% 5%	16V 50V	R1713 R1714	1-249-435 1-249-438 1-249-429 1-216-476 1-249-417	-11 -11 -11	CARBON CARBON CARBON METAL OXIDE CARBON	33K 5% 56K 5% 10K 5% 180 5% 1K 5%	1/4W 1/4W 1/4W 3W 1/4W	F F	
C1703 1-102-115-00 C1704 1-161-830-00 C1705 1-124-120-11 C1706 1-123-935-00 C1707 1-124-907-11	CERAMIC 560PF CERAMIC 0.0047MF ELECT 220MF ELECT 33MF ELECT 10MF ELECT 0.047MF	10% 20% 20% 20%	50V 500V 16V 160V 50V 50V	R1717 R1718 R1719 R1720 R1721	1-249-432 1-249-412 1-249-419 1-249-441 1-249-414	-11 -11 -11	CARBON CARBON CARBON CARBON CARBON	18K 5% 390 5% 1.5K 5% 100K 5% 560 5%	1/4W 1/4W 1/4W 1/4W 1/4W		
C1708 1-101-006-00 C1709 1-108-704-11 C1710 1-104-721-91 C1711 1-162-318-11 C1712 1-124-799-11	CERAMIC 0.047MF MYLAR 0.1MF FILM 0.047MF CERAMIC 0.001MF ELECT 2.2MF	10% 10% 10% 20%	200V 250V 500V 160V	R1722 R1723 R1724 R1725 R1726	1-249-385 1-249-429 1-249-436 1-249-416 1-249-414)-11 -11 -11	CARBON CARBON CARBON CARBON CARBON	2.2 5% 10K 5% 39K 5% 820 5% 560 5%	1/4W 1/4W 1/4W 1/4W 1/4W	F	
C1713 1-162-318-11 C1714 1-104-721-91 C1716 1-124-907-11 C1718 1-124-120-11 C1719 1-124-907-11	CERAMIC 0.001MF	10% 10% 20% 20% 20%	500V 250V 50V 16V 50V	R1727 R1729 R1731 R1732 R1734	1-249-402 1-216-451 1-249-420 1-249-426 1-249-419	-11 -11 -11	CARBON METAL OXIDE CARBON CARBON CARBON	56 5% 120 5% 1.8K 5% 5.6K 5% 1.5K 5%	1/4W 2W 1/4W 1/4W 1/4W	F F	
<con< td=""><td>NECTOR></td><td></td><td></td><td>1</td><td></td><td></td><td>*************</td><td></td><td>******</td><td>*****</td><td>***</td></con<>	NECTOR>			1			*************		******	*****	***
CN1819*1-568-882-51 CN1830*1-568-878-51					¥A-134 <i>1-</i> Ub	19-A	V BOARD, COMP				
<dio< td=""><td>DE></td><td></td><td></td><td>C01</td><td>1-124-916</td><td></td><td>ACITOR></td><td>22MF</td><td>20%</td><td>50V</td><td></td></dio<>	DE>			C01	1-124-916		ACITOR>	22MF	20%	50 V	
D1701 8-719-911-19 D1702 8-719-911-19 D1703 8-719-911-19 D1704 8-719-982-37 D1705 8-719-982-37	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE MTZJ-39C DIODE MTZJ-39C			C01 C02 C03 C04 C05	1-163-038 1-163-038 1-124-916 1-163-037	-00 -00 -11	CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP	0.1MF 0.1MF 22MF	20% 10%	25V 25V 25V 50V 25V	
D1706 8-719-911-19 D1707 8-719-911-19	DIODE 1SS119 DIODE 1SS119			C06 C07 C08 C09 C10	1-124-120 1-124-903 1-163-097 1-163-141 1-163-133	-11 -00 -00	ELECT ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.001MF	20% 20% 5% 5% 5%	16V 50V 50V 50V 50V	
<coi L1702 1-408-418-00 <tra< td=""><td></td><td></td><td></td><td>C11 C12 C13 C14 C15</td><td>1-163-037 1-163-127 1-163-117 1-163-097 1-163-103</td><td>7-00 7-00 7-00</td><td>CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP</td><td>270PF 100PF 15PF</td><td>10% 5% 5% 5% 5%</td><td>25V 50V 50V 50V 50V</td><td></td></tra<></coi 				C11 C12 C13 C14 C15	1-163-037 1-163-127 1-163-117 1-163-097 1-163-103	7-00 7-00 7-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	270PF 100PF 15PF	10% 5% 5% 5% 5%	25V 50V 50V 50V 50V	
	TRANSISTOR 2SC2785-HFE TRANSISTOR 2SA733-K TRANSISTOR 2SA1837 TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC4793			C16 C17 C18 C19 C20	1-164-232 1-163-809 1-163-093 1-163-089 1-163-125	3-11 3-11 3-00 3-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF 0.047MF 10PF 6PF	10% 10% 5% 0.25PF	50V 25V 50V	

C21 C22 1-163-833-00 CERAMIC CHIP 0.068MF 1-163-117-00 CERAMIC CHIP 100PF 25V 50V

Q1706 8-729-119-78 TRANSISTOR 2SC2785-HFE Q1707 8-729-140-96 TRANSISTOR 2SD774-34



REF.NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION				REMARK
C23 C24 C25	1-163-210-00 1-164-505-11	CERAMIC CHIP 0.00 CERAMIC CHIP 2.21 CERAMIC CHIP 2.21	MF	5%	50V 16V 16V	1 1 1 1 1	<res< td=""><td>SISTOR></td><td></td><td></td><td></td><td></td></res<>	SISTOR>				
C26 C28	1-164-505-11 1-163-809-11 1-163-137-00	CERAMIC CHIP 0.04	47MF	10% 5%	25V 50V	JR02 R01 R02	1-216-295-00 1-216-025-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 100 100	5% 5% 5%	1/10W 1/10W 1/10W	
030 032 033	1-124-910-11	CERAMIC CHIP 0.11 ELECT 47MI	MF F	5% 20%	50V 25V 50V	R03	1-216-055-00 1-216-049-00	METAL GLAZE METAL GLAZE	1.8K 1K	5%	1/10W 1/10W	
C34 C35 C36	1-124-907-11 1-163-243-11 1-163-239-11	CERAMIC CHIP 33PI	F	20% 5% 5%	50V 50V 50V	R05 R06 R07 R08	1-216-041-00 1-216-029-00 1-216-041-00 1-216-071-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	470 150 470 8.2K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
C37 C39 C40	1-216-295-00	METAL GLAZE O CERAMIC CHIP 5601 CERAMIC CHIP 3301	5% PF PF	1/10W 5% 5%	50V 50V	R09	1-216-091-00 1-216-057-00	METAL GLAZE METAL GLAZE	56K 2.2K	5%	1/10W 1/10W	
C53 C54	1-163-038-00	CERAMIC CHIP 0.18	MF		25V 25V	R11 R12 R13 R15	1-216-057-00 1-216-057-00 1-216-065-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	2.2K 2.2K 4.7K 3.3K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
	<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td>R16</td><td>1-216-033-00</td><td>METAL GLAZE</td><td>220</td><td></td><td>1/10W</td><td></td></con<>	NECTOR>				R16	1-216-033-00	METAL GLAZE	220		1/10W	
CN1737 CN1741	*1-564-511-11 *1-564-511-31	NECTOR> PLUG, CONNECTOR & PLUG, CONNECTOR &	BP BP			R17 R20 R21 R22	1-216-033-00 1-216-049-00 1-216-049-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 1K 1K 2.2K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
		MMER>				R23 R24	1-216-065-00 1-216-091-00	METAL GLAZE METAL GLAZE	4.7K 56K	5% 5%	1/10W 1/10W	
T01	1-141-418-11	CAP, ADJ				R25 R26 R27	1-216-065-00 1-216-081-00	METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 22K 560	5% 5% 5% 5%	1/10W 1/10W	
	<dio< td=""><td>DE></td><td></td><td></td><td></td><td>R28</td><td>1-216-043-00 1-216-043-00</td><td>METAL GLAZE</td><td>560</td><td></td><td>1/10W 1/10W</td><td></td></dio<>	DE>				R28	1-216-043-00 1-216-043-00	METAL GLAZE	560		1/10W 1/10W	
001 003 004 009 010	8-719-104-34	DIODE MA152WK DIODE 152836 DIODE 152836 DIODE MA152WK DIODE MA152WK				R29 R30 R31 R32	1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	560 330 3.3K 10K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
011 012	8-719-400-18	DIODE MA152WK DIODE MA152WK				R33 R34 R35 R36 R37	1-216-081-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	47 22K 22K 2.2K 2.2K 2.2K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
	<1C>					R38	1-218-773-11	METAL CHIP	750K	0.50%	1/10W	
C03 C04	8-759-037-64 8-759-035-39	IC SDA5248-2C1 IC SDA5231-2 IC MCM514256AP80 IC CXD1050A-15P			·	R39 R40 R41 R42	1-218-758-11 1-216-043-00 1-216-033-00 1-216-033-00	METAL CHIP METAL GLAZE METAL GLAZE METAL GLAZE	180K 560 220 220	0.50% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
.005	<c01< td=""><td></td><td></td><td></td><td></td><td>R43 R44 R46 R47</td><td>1-216-033-00 1-216-033-00 1-216-073-00 1-216-057-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE</td><td>220 220 10K 2.2K</td><td>5% 5% 5%</td><td>1/10W 1/10W 1/10W 1/10W</td><td></td></c01<>					R43 R44 R46 R47	1-216-033-00 1-216-033-00 1-216-073-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	220 220 10K 2.2K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
.01 .02	1-408-411-00 1-408-414-00	INDUCTOR 27	SUH 7UH			R48	1-216-071-00	METAL GLAZE	8.2K	5% 5%	1/10W	
.03 .04 .05	1-408-417-00 1-408-413-00 1-408-409-00	INDUCTOR 22	TUH ZUH DUH			R49 R50 R54 R55	1-216-071-00 1-216-071-00 1-216-073-00 1-216-069-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	8.2K 8.2K 10K 6.8K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
	<tra< td=""><td>NSISTOR></td><td></td><td></td><td></td><td></td><td><cry.< td=""><td>STAL></td><td></td><td></td><td></td><td></td></cry.<></td></tra<>	NSISTOR>					<cry.< td=""><td>STAL></td><td></td><td></td><td></td><td></td></cry.<>	STAL>				
01 03 04	8-729-901-81 8-729-901-81 8-729-901-81	TRANSISTOR 2SC241 TRANSISTOR 2SC241 TRANSISTOR 2SC241	2K-T-14	6-R		X02		OSCILLATOR, C	RYSTAL			
06 07	8-729-901-81 8-729-901-81	TRANSISTOR 2SC241 TRANSISTOR 2SC241	2K-T-14	6-R			************		*****	*****	******	******
108 109 110	8-729-216-22 8-729-901-81 8-729-901-81	TRANSISTOR 2SA116 TRANSISTOR 2SC241 TRANSISTOR 2SC241	2K-T-140 2K-T-140	6-R		1 1 1 1 1 1 1 8	*1-643-004-21	******				
11 12	8-729-901-81 8-729-901-00	TRANSISTOR 2SC241 TRANSISTOR DTC124		6-R		COOS		ACITOR>	יערכט ו		0.9	EV
						C083	1-163-037-11	CENAMIC CHIP	J. UZZMI	•)	10% 2	257



REF.NO.	PART NO.	DESCRIPTION			•	REMARK	REF.NO.	PART NO.	DESCRIPTIO	ON 			R
R951 R952 R953 R954 R955	1-216-063-00 1-216-113-00 1-216-188-00 1-216-039-00 1-216-039-00	METAL GLAZE	3.9K 470K 390 390 390	5% 5% 5% 5%	1/10W 1/10W 1/8W 1/10W 1/10W		CN0302	*1-573-299-11		BOARD TO	BOARI	D 10P	
R956	1-216-089-00		47K	5% 5%	1/10W			<di(8-719-400-18</di(
R957 R958	1-216-039-00 1-216-089-00	METAL GLAZE	390 47K	5% 5%	1/10W 1/10W		D1301	8-719-400-18	DIODE MA152	2WK			
R959 R960	1-216-071-00 1-216-071-00		8.2K 8.2K	5% 5% 5%	1/10W 1/10W				TER>				
R961 R965 R966 R967 R968	1-216-071-00 1-216-029-00 1-216-029-00 1-216-029-00 1-216-055-00	METAL GLAZE	8.2K 150 150 150 1.8K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		FL1301 FL1302 FL1303 FL1304	1-239-550-41 1-239-550-41 1-239-550-41 1-236-164-11	FILTER, LOW FILTER, LOW FILTER, LOW ENCAPSULATE	PASS PASS PASS D COMPONI	ENT		
R969 R970	1-216-055-00 1-216-055-00	METAL GLAZE	1.8K	5%	1/10W 1/10W		 	<10>					
R971 R972 R973	1-216-055-00	METAL GLAZE METAL GLAZE METAL GLAZE	1.8K 1.8K 1.8K 1.8K 1.8K	5% 5%	1/10W 1/10W		IC1301	8-752-357-88	IC CXD20240	-TL			
R974					1/10W			<c01< td=""><td>L></td><td></td><td></td><td></td><td></td></c01<>	L>				
R975 R976 R977			1.8K 1.8K 1.8K 1.8K		1/10W 1/10W 1/10W 1/10W		L1301 L1302 L1303 L1304	1-408-405-00 1-408-403-00 1-408-405-00 1-408-405-00	INDUCTOR INDUCTOR INDUCTOR INDUCTOR	4.701 3.301 4.701 4.701			
		B BOARD, COMPL		****	*******	*******			NSISTOR>				
	1020 047 11	**********					01301	8-729-216-22	TRANSISTOR	2541162-0	:		
	<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td></td><td>01302 01303</td><td>8-729-216-22 8-729-216-22</td><td>TRANSISTOR</td><td>2SA1162-0</td><td></td><td></td><td></td></cap<>	ACITOR>					01302 01303	8-729-216-22 8-729-216-22	TRANSISTOR	2SA1162-0			
C1301	1-164-232-11	CERAMIC CHIP (0.01MF		10%	50V	i U1304	8-729-901-81 8-729-901-81	TRANSISTUR	2SC2412K-	-T−146	- R R	
C1305	1-163-105-00	CERAMIC CHIP C ELECT 1 CERAMIC CHIP C CERAMIC CHIP C CERAMIC CHIP 3	33PF		5%	16V 50V 50V 50V	Q1306 Q1307	8-729-901-81 8-729-216-22 8-729-216-22 8-729-216-22	TRANSISTOR TRANSISTOR	2SC2412K-	T-146		
C1306 C1307	1-163-109-00 1-164-232-11	CERAMIC CHIP OF CERAMIC CHIP 2 CERAMIC CHIP 2 CERAMIC CHIP 2 ELECT	17PF).01MF		5% 10%	50V 50V							
C1308 C1309	1-163-101-00 1-163-101-00	CERAMIC CHIP 2	22PF 22PF		5% 5%	50V 50V			ISTOR>				
		CERAMIC CHIP O	LUUMF		20%	16V	R1302	1-216-053-00 1-216-059-00	METAL GLAZE	2.7K	5% 5%	1/10W 1/10W	
C1312		CERAMIC CHIP 4). 1MF 170PF 33MF		5%	25V 50V	R1304	1-216-043-00 1-216-043-00	METAL GLAZE	560	5%	1/10W 1/10W	
C1314	1-124-917-11 1-126-101-11 1-164-232-11	ELECT 1 CERAMIC CHIP 0	OOMF			50V 16V 50V		1-216-067-00 1-216-073-00	METAL GLAZE	5.6K		1/10W	
	1-126-101-11		00MF			167	R1307	1-216-069-00 1-216-069-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 6.8K 6.8K	5% 5% 5% 5%	1/10W 1/10W 1/10W	
C1317	1-164-232-11 1-124-910-11	CERAMIC CHIP O			10%	50V 50V	R1309	1-216-055-00 1-216-295-00	METAL GLAZE METAL GLAZE	1.8K 0	5% 5%	1/ 10W 1/ 10W	
C1319	1-164-232-11 1-163-141-00	CERAMIC CHIP O). 01MF	ì	10%	50V 50V		1-216-073-00	METAL GLAZE			1/ 10W	
C1321	1-164-232-11	CERAMIC CHIP O				50V	R1312 R1313	1-216-057-00 1-216-089-00	METAL GLAZE METAL GLAZE	2.2K 47K	5% 5% 5% 5%	1/ 10W 1/ 10W	
C1322 C1323	1-164-232-11 1-164-232-11	CERAMIC CHIP O	0.01MF		10%	50V 50V		1-216-065-00 1-216-049-00	METAL GLAZE METAL GLAZE	4.7K 1K	5% 5%	1/10W 1/10W	
C1324 C1325	1-126-101-11 1-164-232-11	CERAMIC CHIP O	00MF 0.01MF			16V 50V		1-216-071-00	METAL GLAZE	8.2K	5%	1/ 10W	
C1326 C1327	1-164-232-11 1-164-232-11	CERAMIC CHIP O				50V 50V	R1318	1-216-083-00 1-216-051-00 1-216-043-00	METAL GLAZE METAL GLAZE METAL GLAZE	1.2K	5% 5%	1/10W 1/10W	
C1328 C1329	1-164-232-11 1-163-038-00	CERAMIC CHIP O	.01MF		10%	50V 25V		1-216-067-00	METAL GLAZE	560 5.6K	5% 5%	1/10W 1/·10W	
C1330	1-163-038-00	CERAMIC CHIP O	. 1MF			250		1-216-049-00 1-216-025-00	METAL GLAZE METAL GLAZE	1K 100	5% 5%	1/10W 1/10W	
	1-164-232-11 1-164-232-11 1-164-232-11	CERAMIC CHIP O CERAMIC CHIP O CERAMIC CHIP O	.01MF		10%	50V 50V 50V		1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	

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REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R1326 R1327	1-216-043-00 1-216-067-00 1-216-049-00	METAL GLAZE METAL GLAZE	560 5% 5.6K 5% 1K 5% 5.6K 5%	1/10W 1/10W 1/10W 1/10W		C1448 C1449 C1450	1-164-222-11 1-163-257-11 1-164-005-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.22MF 180PF 0.47MF	5%	25V 50V 25V
R1331 R1332 R1333 R1334	1-216-653-11 1-216-666-11 1-216-635-11	METAL CHIP METAL CHIP METAL CHIP METAL CHIP	1.2K 0.50% 4.3K 0.50% 220 0.50%	1/10W 1/10W 1/10W 1/10W		C1453 C1454 C1455	1-163-038-00 1-163-038-00 1-163-038-00 1-163-133-00 1-163-133-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 0.1MF 470PF	5% 5%	25V 25V 25V 50V 50V
R1335 R1336 R1337 R1338	1-216-637-11 1-216-657-11 1-216-663-11 1-216-657-11 1-216-295-00	METAL CHIP METAL CHIP METAL CHIP METAL CHIP METAL GLAZE	1.8K 0.50% 3.3K 0.50% 1.8K 0.50%	1/10W 1/10W 1/10W		C1460	1-164-005-11 1-163-038-00 1-164-005-11 1-164-005-11 1-126-101-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 0.47MF	20%	25V 25V 25V 25V 25V 16V
R1342 R1343	1-216-295-00 1-216-035-00	METAL GLAZE METAL GLAZE	270 5%	1/10W 1/10W		C1464 C1465 C1466 C1467	1-126-101-11 1-126-101-11 1-126-101-11 1-126-101-11	ELECT ELECT ELECT	100MF 100MF 100MF 100MF	20% 20% 20% 20%	16V 16V 16V 16V
	*A-1622-005-A	********	****			C1472	1-164-004-11 1-164-004-11 1-164-004-11	CERAMIC CHIP	0.1MF	10% 10% 10%	25V 25V 25V
C1401	<cap< td=""><td>ACITOR></td><td>0.1MF</td><td>ī</td><td>25V</td><td>C1481 C1482</td><td>1-216-295-00 1-163-001-11 1-124-907-11</td><td>METAL GLAZE CERAMIC CHIP</td><td>0 5%</td><td>1/10W 10% 20%</td><td>50V 50V</td></cap<>	ACITOR>	0.1MF	ī	25V	C1481 C1482	1-216-295-00 1-163-001-11 1-124-907-11	METAL GLAZE CERAMIC CHIP	0 5%	1/10W 10% 20%	50V 50V
C1402 C1403 C1404	<pre><cap 1-163-017-00="" 1-163-037-11="" 1-163-038-00="" 1-163-097-00<="" pre=""></cap></pre>	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 0.0047MF 0.022MF	10% 10% 5%	25V 50V 25V 50V			NECTOR>			
C1406 C1407	1-163-097-00 1-163-038-00 1-163-017-00 1-124-903-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT	15PF 0.1MF 0.0047MF 1MF	5% 10% 20%	50V 25V 50V 50V	CN1515	*1-568-879-51 *1-564-516-11 *1-568-879-11 *1-573-299-11	PLUG, CONNECT	TOR 13P OR 4P	D 10P	
C1410	1-163-038-00	CERAMIC CHIP			25V		<010	DE>			
C1412 C1414 C1416 C1417	1-163-038-00 1-163-121-00 1-163-129-00 1-163-129-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	150PF 330PF 330PF	5% 5% 5%	25V 50V 50V 50V	D1401	8-719-401-41		L-TX		
C1419	1-164-005-11	CERAMIC CHIP	0.41711		25V	FI 1 402		TER>	COMPONENT		
C1420 C1421 C1422 C1423 C1424	1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00 1-163-009-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 0.1MF 0.1MF 0.1MF 0.001MF	10%	25V 25V 25V 25V 50V	FL1404 FL1405	1-236-071-11 1-236-071-11 1-236-071-11 1-236-071-11 1-236-071-11	ENCAPSULATED ENCAPSULATED ENCAPSULATED	COMPONENT COMPONENT COMPONENT		
04.100	1-163-009-11 1-124-916-11	CERAMIC CHIP	0.001MF 22MF	10% 20%	50V 50V	FL1408	1-236-071-11	ENCAPSULATED	COMPONENT		
C1427 C1428 C1429	1-163-038-00 1-163-113-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 68PF	5%	25V 50V 25V		<10	•			
C1430 C1431 C1432 C1433 C1434	1-163-038-00 1-163-031-11 1-163-031-11 1-163-038-00 1-163-038-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.01MF 0.01MF 0.01MF 0.1MF		50V 50V 50V 25V 25V	IC1402 IC1403 IC1404	8-759-073-16 8-759-086-97 8-759-055-51 8-759-055-52 8-759-046-27	IC TDA4661T/ IC SDA9087XG	V2 EG EG		
C1435 C1436 C1437 C1438 C1439	1-163-038-00 1-163-038-00 1-164-343-11 1-163-139-00 1-163-038-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1MF 0.056MF 820PF	10% 10%	25V 25V 25V 50V 25V	IC1410	8-759-504-21 8-759-037-45 8-759-081-30	IC MC78L08AC	PRP		
C1440	1-163-038-00	CERAMIC CHIP	O. 1MF		25v	1	<c01< td=""><td></td><td></td><td></td><td></td></c01<>				
C1441 C1442 C1443 C1444 C1445	1-164-005-11 1-164-005-11 1-163-251-11 1-164-005-11 1-164-005-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.47MF 100PF 0.47MF	5%	25V 25V 50V 25V 25V	L1401 L1405 L1406	1-408-418-00 1-408-407-00 1-408-407-00	INDUCTOR INDUCTOR	56UH 6.8UH 6.8UH		
C1446	1-164-005-11	CERAMIC CHIP	0.47MF		25V			ANSISTOR>	1000410V W 4	46 D	
C1447	1-163-038-00	CERAMIC CHIP	0.1MF		25V	i U1401	8-729-901-81	TRANSISTUR 2	23UZ41ZK-T-1	40-K	

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REF.NO. PART NO.	DESCRIPTION		REMARK	REF. NO.	PART NO.	DESCRIPTION		REMARK
	CERAMIC CHIP 0.022MF		25V	C291 C292 C293 C294	1-101-005-00 1-101-005-00 1-101-003-00 1-101-003-00	CERAMIC 0.022MF CERAMIC 0.022MF CERAMIC 0.0047MF		50V 50V 50V 50V
CN1008*1-564-516-11	PLUG, CONNECTOR 13P			C295 C296 C901 C902	1-163-017-00 1-163-017-00	CERAMIC CHIP 0.001MF CERAMIC CHIP 0.0047MF CERAMIC CHIP 0.0047MF	10% 10% 10% 10%	50V 50V 50V 50V
J81 1-568-678-11 J82 1-562-837-11	TERMINAL BLOCK, S 3P JACK			C904 C905 C906 C907 C908	1-163-133-00 1-163-133-00 1-101-004-00 1-163-133-00 1-163-133-00	CERAMIC CHIP 470PF CERAMIC CHIP 470PF CERAMIC O.01MF CERAMIC CHIP 470PF CERAMIC CHIP 470PF	5% 5% 5%	50V 50V 50V 50V 50V
L081 1-408-409-00 L082 1-408-409-00	PLUG, CONNECTOR 13P K> TERMINAL BLOCK, S 3P JACK L> INDUCTOR 10UH INDUCTOR 10UH SISTOR> METAL GLAZE 0 5% METAL GLAZE 10K 5% METAL GLAZE 10K 5% METAL GLAZE 2 2K 5% METAL GLAZE 2 2K 5%			C909 C910 C911 C912 C913	1-101-004-00 1-163-017-00 1-163-133-00 1-163-133-00	CERAMIC CHIP 0.0047MF CERAMIC CHIP 0.0047MF CERAMIC CHIP 470PF CERAMIC CHIP 470PF	10% 10% 5% 5%	50V 50V 50V 50V 50V
JR021 1-216-295-00 R081 1-216-073-00 R082 1-216-065-00 R083 1-216-057-00 R084 1-216-202-00	METAL GLAZE 0 5% METAL GLAZE 10K 5% METAL GLAZE 4.7K 5% METAL GLAZE 2.2K 5% METAL GLAZE 1.5K 5%	1/10W 1/10W 1/10W 1/10W 1/8W		C914 C915 C916 C917 C918 C919	1-163-017-00	CERAMIC CHIP 150PF CERAMIC CHIP 150PF CERAMIC CHIP 0.0047MF CERAMIC CHIP 0.0047MF CERAMIC CHIP 470PF CERAMIC CHIP 470PF	5% 5% 10% 10% 5%	50V 50V 50V 50V 50V 50V
R085 - 1-216-202-00 <swi \$081</swi 	TCH>	1/8W		C920 C921 C922 C923 C924	1-163-017-00 1-163-017-00	CERAMIC CHIP 0.0047MF CERAMIC CHIP 0.0047MF	10% 10% 20% 20%	50V 50V 16V 16V 16V
\$082 1-571-532-21 \$083 1-571-532-21 ***********************************	SWITCH, TACTIL SWITCH, TACTIL H2 BOARD	******	******	C925 C926 C927 C928 C929	1-124-477-11 1-164-346-11 1-124-477-11 1-124-477-11 1-124-477-11	ELECT 47MF CERAMIC CHIP 1MF ELECT 47MF ELECT 47MF ELECT 47MF	20% 20% 20% 20%	16V 16V 16V 16V 16V
*4-201-076-01 *4-374-987-01 4-381-686-01	SWITCH, TACTIL ***********************************			C930 C931 C932 C933 C934	1-124-477-11 1-164-346-11 1-164-346-11 1-124-477-11 1-124-477-11	CERAMIC CHIP 1MF CERAMIC CHIP 1MF ELECT 47MF ELECT 47MF	20% 20% 20%	16V 16V 16V 16V 16V
<con CN1132*1-568-882-51</con 	NECTOR> PIN, CONNECTOR 7P			C935 C936 C937 C938	1-124-477-11 1-164-346-11 1-164-346-11 1-124-477-11	ELECT 47MF CERAMIC CHIP 1MF CERAMIC CHIP 1MF ELECT 47MF	20% 20%	16V 16V 16V 16V
DO93 8-719-948-31	DE> DIODE LD-201VR DIODE LD-201VR DIODE LD-201VR			CN1210 CN1233	1-695-302-11 *1-564-522-11 *1-564-518-11	NECTOR> CONNECTOR, BOARD TO BOAL PLUG, CONNECTOR 7P PLUG, CONNECTOR 3P PLUG, CONNECTOR 3P	RD 50P	
ICO91 8-741-101-75	1C SBX1610-11				<010	DE>		
RO91 1-249-413-11	ISTOR> CARBON 470 5%	1/4W	*****	D901 D902 D903 D904 D905	8-719-921-69 8-719-921-69 8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1		
*A-1388-145-A	J BOARD, COMPLETE ***********************************	- দেশকারীকী		D906 D907 D908 D909 D910	8-719-921-69 8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1		
c281 1-126-103-11		20%	16V					

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
D911 D912 D913 D914	8-719-921-69 8-719-921-69 8-719-921-69 8-719-921-69 8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1		JR944 JR946 JR947 JR952	1-216-295-00 1-216-296-00 1-216-295-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	0 5	1/10W 5% 1/8W 1/10W 5% 1/10W 1/8W	
D915 D916 D917 D918 D919	8-719-921-69 8-719-921-69 8-719-921-69	DIODE MTZJ-9.1		JR954 JR955 JR956 JR957 R283	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W	
D920 D921 D922 D923 D924	8-719-921-69 8-719-921-69 8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1 DIODE MTZJ-9.1		R284 R287 R288 R289 R290	1-216-073-00 1-216-216-00 1-216-216-00 1-216-063-00 1-216-216-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 5.6K 5.6K 3.9K 5.6K		
D925 D926 D927 D928	8-719-921-69 8-719-921-69	DIODE MTZJ-9.1 DIODE MTZJ-9.1		R291 R292 R901 R902 R903	1-249-413-11 1-249-413-11 1-216-039-00 1-216-039-00 1-216-113-00	CARBON CARBON METAL GLAZE METAL GLAZE METAL GLAZE	470 470 390 390 470K	5% 1/4W 5% 1/4W 5% 1/10W 5% 1/10W 5% 1/10W	
	<jac< td=""><td>K></td><td></td><td>R904</td><td>1-216-113-00 1-216-188-00</td><td>METAL GLAZE NETAL GLAZE</td><td>470K</td><td>5% 1/10W 5% 1/8W</td><td></td></jac<>	K>		R904	1-216-113-00 1-216-188-00	METAL GLAZE NETAL GLAZE	470K	5% 1/10W 5% 1/8W	
J291 J901 J903 J904	1-536-996-21 1-695-296-11 1-695-550-11	TERMINAL BOARD, 1NPUT/OUTPUT TERMINAL BLOCK, S SOCKET 21P TERMINAL BLOCK, S SOCKET 21P TERMINAL BLOCK, S SOCKET 21P L> INDUCTOR, WIDEBAND INDUCTOR, WIDEBAND INDUCTOR, WIDEBAND INDUCTOR, WIDEBAND INDUCTOR, WIDEBAND		R906 R907 R908	1-216-039-00 1-216-029-00 1-216-029-00	METAL GLAZE METAL GLAZE METAL GLAZE	470K 390 390 150 150		
J905	1-695-293-11	SOCKET 21P		R909 R910	1-216-113-00 1-216-113-00	METAL GLAZE METAL GLAZE	470K 470K	5% 1/10W 5% 1/10W	
J906 J907	1-695-296-11 1-695-293-11	TERMINAL BLOCK, S SOCKET 21P		R911 R913 R914	1-216-022-00 1-216-063-00 1-216-063-00	METAL GLAZE METAL GLAZE METAL GLAZE	75 3.9K 3.9K		
	<c01< td=""><td>L></td><td></td><td>R915 R916</td><td>1-216-113-00 1-216-113-00</td><td>METAL GLAZE METAL GLAZE</td><td>470K 470K</td><td>5% 1/10W 5% 1/10W</td><td></td></c01<>	L>		R915 R916	1-216-113-00 1-216-113-00	METAL GLAZE METAL GLAZE	470K 470K	5% 1/10W 5% 1/10W	
L281 L283 L291 L292	1-402-711-11 1-402-711-11 1-402-711-11	L> INDUCTOR, WIDEBAND INDUCTOR, WIDEBAND INDUCTOR, WIDEBAND INDUCTOR, WIDEBAND		R917 R919 R920	1-216-022-00 1-216-063-00 1-216-063-00	METAL GLAZE METAL GLAZE METAL GLAZE	470K 470K 75 3.9K 3.9K		
2272		INDUCTOR, WIDEBAND INDUCTOR, WIDEBAND INDUCTOR, WIDEBAND NSISTOR> TRANSISTOR 2SC2412K-T-146-R TRANSISTOR 2SC2412K-T-146-R		R921 R922 R923	1-216-022-00 1-216-222-00 1-216-039-00	METAL GLAZE METAL GLAZE	75 10K 390	5% 1/10W 5% 1/8W 5% 1/10W 5% 1/10W 5% 1/10W	
Q281	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R		R924 R925	1-216-039-00 1-216-089-00	METAL GLAZE METAL GLAZE	390 47K	5% 1/10W 5% 1/10W	
Q282	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R		R926 R927	1-216-039-00 1-216-039-00	METAL GLAZE METAL GLAZE	390 390	5% 1/10W 5% 1/10W	
*****		1210K>		R929		METAL GLAZE METAL GLAZE METAL GLAZE	390 390 47K 3.9K 470K	5% 1/10W 5% 1/10W 5% 1/10W	
JR901 JR905 JR906	1-216-295-00 1-216-296-00 1-216-295-00	METAL GLAZE 0 5% 1/8W METAL GLAZE 0 5% 1/10W		R930	1-216-113-00 1-216-212-00	METAL GLAZE			
JR909 JR910	1-216-296-00 1-216-296-00	METAL GLAZE 0 5% 1/8W METAL GLAZE 0 5% 1/8W		R932 R933 R934	1-216-113-00 1-216-073-00 1-216-063-00	METAL GLAZE METAL GLAZE METAL GLAZE	470K 10K 3.9K 75	5% 1/8W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W	
JR911 JR915	1-216-296-00 1-216-295-00	METAL GLAZE 0 5% 1/8W METAL GLAZE 0 5% 1/10W METAL GLAZE 0 5% 1/8W		R935	1-216-022-00	METAL GLAZE			
JR917 JR918	1-216-296-00 1-216-295-00	METAL GLAZE 0 5% 1/10W	1	R936 R937 R938	1-216-022-00 1-216-113-00 1-216-039-00	METAL GLAZE METAL GLAZE METAL GLAZE	75 470K 390	5% 1/10W 5% 1/10W 5% 1/10W	
JR919 JR920	1-216-296-00 1-216-295-00			R939	1-216-188-00 1-216-063-00	METAL GLAZE METAL GLAZE	390 3.9K	5% 1/10W 5% 1/8W 5% 1/10W	
JR921 JR923	1-216-295-00 1-216-296-00	METAL GLAZE 0 5% 1/10W METAL GLAZE 0 5% 1/8W		R941 R942	1-216-113-00 1-216-188-00	METAL GLAZE METAL GLAZE	470K 390	5% 1/10W 5% 1/8W	ı
JR924 JR926	1-216-296-00 1-216-296-00	METAL GLAZE 0 5% 1/8W		R943 R944	1-216-089-00 1-216-188-00	METAL GLAZE METAL GLAZE	47K 390	5% 1/10W 5% 1/8W	
JR927 JR928 JR935	1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE 0 5% 1/8W METAL GLAZE 0 5% 1/8W METAL GLAZE 0 5% 1/8W		R945 R946	1-216-089-00	METAL GLAZE METAL GLAZE			
JR939 JR940	1-216-295-00 1-216-296-00	METAL GLAZE 0 5% 1/8W METAL GLAZE 0 5% 1/10W METAL GLAZE 0 5% 1/8W	ı	R947 R948	1-216-022-00 1-216-029-00 1-216-073-00	METAL GLAZE	150 10K	5% 1/10W 5% 1/10W	
JR942	1-216-296-00	METAL GLAZE 0 5% 1/8W		R949 R950	1-216-113-00 1-216-063-00	METAL GLAZE METAL GLAZE	470K 3.9K	5% 1/10W 5% 1/10W	

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite.

Ne les remplacer que par une
piece portant le numero specifie.



REF.NO. PART NO.		REMARK REF. NO. PART NO. DESCRIPTION	REMARK
01402 8-729-901-81 01403 8-729-901-81 01404 8-729-216-22 01405 8-729-901-81	TRANSISTOR 2SC2412K-T-146-R TRANSISTOR 2SC2412K-T-146-R TRANSISTOR 2SA1162-G TRANSISTOR 2SC2412K-T-146-R	R1449 1-216-033-00 METAL GLAZE 220 R1450 1-216-033-00 METAL GLAZE 220 R1451 1-216-073-00 METAL GLAZE 10K	5% 1/10W 5% 1/10W 5% 1/10W
Q1406 8-729-901-81 Q1407 8-729-216-22 Q1408 8-729-216-22 Q1409 8-729-216-22 Q1413 8-729-216-22	TRANSISTOR 2SC2412K-T-146-R TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G	R1453 1-216-025-00 METAL GLAZE 100 R1454 1-216-025-00 METAL GLAZE 100 R1455 1-216-081-00 METAL GLAZE 22K R1456 1-216-081-00 METAL GLAZE 22K R1458 1-216-041-00 METAL GLAZE 470	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W
01414 8-729-900-53 01415 8-729-901-81 01416 8-729-901-81 01417 8-729-900-53	TRANSISTOR DTC114EK TRANSISTOR 2SC2412K-T-146-R TRANSISTOR 2SC2412K-T-146-R TRANSISTOR DTC114EK TRANSISTOR DTC114EK	R1449 1-216-033-00 METAL GLAZE 220 R1450 1-216-033-00 METAL GLAZE 220 R1451 1-216-073-00 METAL GLAZE 10K R1453 1-216-025-00 METAL GLAZE 100 R1454 1-216-025-00 METAL GLAZE 100 R1455 1-216-081-00 METAL GLAZE 22K R1456 1-216-081-00 METAL GLAZE 22K R1458 1-216-041-00 METAL GLAZE 22K R1461 1-216-059-00 METAL GLAZE 2.7K R1462 1-216-059-00 METAL GLAZE 2.7K R1463 1-216-049-00 METAL GLAZE 1.7K R1465 1-216-198-00 METAL GLAZE 1.7K R1467 1-216-037-00 METAL GLAZE 1.7K R1467 1-216-037-00 METAL GLAZE 330 R1484 1-216-295-00 METAL GLAZE 0	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/8W 5% 1/10W
Q1419 8-729-900-53 Q1421 8-729-901-81 Q1422 8-729-901-81 Q1423 8-729-901-00	TRANSISTOR DTC114EK TRANSISTOR 2SC2412K-T-146-R TRANSISTOR 2SC2412K-T-146-R TRANSISTOR DTC124EK TRANSISTOR 2SC2412K-T-146-R	R1471 1-216-037-00 METAL GLAZE 330 R1484 1-216-025-00 METAL GLAZE 0 R1485 1-216-041-00 METAL GLAZE 470 R1486 1-216-033-00 METAL GLAZE 220 R1487 1-216-065-00 METAL GLAZE 4.7K R1488 1-216-025-00 METAL GLAZE 100 R1492 1-216-033-00 METAL GLAZE 100 R1493 1-216-073-00 METAL GLAZE 10K R1494 1-216-174-00 METAL GLAZE 100 R1495 1-216-053-00 METAL GLAZE 1.5K R1496 1-216-065-00 METAL GLAZE 4.7K R1497 1-216-041-00 METAL GLAZE 4.7K R1498 1-216-069-00 METAL GLAZE 6.8K R1499 1-216-049-00 METAL GLAZE 1K	5% 1/10W 5% 1/10W
<re:< td=""><td>SISTOR></td><td>R1492 1-216-033-00 METAL GLAZE 220 R1493 1-216-073-00 METAL GLAZE 10K R1494 1-216-173-00 METAL GLAZE 100</td><td>5% 1/10W 5% 1/10W 5% 1/8W 5% 1/10W 5% 1/10W</td></re:<>	SISTOR>	R1492 1-216-033-00 METAL GLAZE 220 R1493 1-216-073-00 METAL GLAZE 10K R1494 1-216-173-00 METAL GLAZE 100	5% 1/10W 5% 1/10W 5% 1/8W 5% 1/10W 5% 1/10W
JR1401 1-216-295-00 JR1402 1-216-295-00 JR1403 1-216-295-00 JR1405 1-216-295-00	METAL GLAZE 0 5% 1/10 METAL GLAZE 100K 5% 1/10	R1495 1-216-053-00 METAL GLAZE 1.5K R1496 1-216-065-00 METAL GLAZE 4.7K R1497 1-216-041-00 METAL GLAZE 470 R1498 1-216-069-00 METAL GLAZE 6.8K R1499 1-216-049-00 METAL GLAZE 1K	
R1402 1-216-073-00 R1403 1-216-025-00 R1404 1-216-025-00 R1405 1-216-049-00	METAL GLAZE 10K 5% 1/10 METAL GLAZE 10O 5% 1/10 METAL GLAZE 10O 5% 1/10 METAL GLAZE 1K 5% 1/10	<pre><crystal> X1401 1-567-505-11 OSCILLATOR, CRYSTAL</crystal></pre>	
R1406 1-216-051-00 R1407 1-216-057-00 R1408 1-216-041-00 R1410 1-216-029-00 R1411 1-216-041-00		**************************************	
R1412 1-216-041-00 R1413 1-216-041-00 R1414 1-216-041-00 R1415 1-216-041-00 R1417 1-216-033-00 R1419 1-216-027-00	METAL GLAZE 470 5% 1/10 METAL GLAZE 470 5% 1/10 METAL GLAZE 470 5% 1/10 METAL GLAZE 220 5% 1/10	<pre><capacitor> C661 & 1-136-519-11 FILM</capacitor></pre>	202 300V 202 300V MF 202 400V
R1421 1-216-033-00 R1422 1-216-023-00 R1424 1-216-041-00 R1425 1-216-041-00 R1426 1-216-041-00	METAL GLAZE 220 5% 1/10	C666 1-124-120-11 ELECT 220MF C667 1-126-233-11 ELECT 22MF C672 A 1-161-964-91 CERAMIC 0.0047 C673 A 1-161-964-91 CERAMIC 0.0047 C674 1-125-555-11 ELECT 330MF	NF 250V
R1427 1-216-041-00 R1429 1-216-091-00 R1431 1-216-029-00 R1432 1-216-031-00 R1433 1-216-113-00	METAL GLAZE 470 5% 1/100 METAL GLAZE 56K 5% 1/100 METAL GLAZE 150 5% 1/100 METAL GLAZE 180 5% 1/100 METAL GLAZE 470K 5% 1/100	C675 1-136-527-12 FILM 0.47MF <connector> CN0005 *1-508-765-00 PIN, CONNECTOR (5)</connector>	20% 300V
R1434 1-216-023-00 R1435 1-216-075-00 R1436 1-216-045-00 R1437 1-216-033-00	METAL GLAZE 82 5% 1/100 METAL GLAZE 12K 5% 1/100 METAL GLAZE 680 5% 1/100 METAL GLAZE 220 5% 1/100	CN0006 *1-508-765-00 PIN, CONNECTOR (5) CN0007 *1-508-786-00 PIN, CONNECTOR (5) CN0924 *1-568-878-51 PIN, CONNECTOR 3P CN0925 *1-695-294-11 PIN, CONNECTOR (P)	MM PITCH) 3P MM PITCH) 2P C BOARD) 6P
R1438 1-216-047-00 R1439 1-216-057-00 R1441 1-216-053-00 R1442 1-216-053-00 R1443 1-216-053-00 R1444 1-216-041-00	METAL GLAZE 820 5% 1/10V METAL GLAZE 2.2K 5% 1/10V METAL GLAZE 1.5K 5% 1/10V METAL GLAZE 1.5K 5% 1/10V METAL GLAZE 1.5K 5% 1/10V METAL GLAZE 470 5% 1/10V	CN0929 *1-508-784-00 PIN, CONNECTOR (5) CN0931A *1-691-291-11 PIN, CONNECTOR (P) <diode> D661 8-719-911-19 DIODE 1SS119</diode>	MM PITCH) 1P C.BOARD) 5P
R1445 1-216-083-00 R1446 1-216-079-00	METAL GLAZE 27K 5% 1/10W	D662	



Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark \triangle are critical for safety.
Replace only with part number specified.

REF.NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
LF661A 1-424-436	11 TRANSFORMER.	LINE FILIER		C512 C514 C519 C522	1-126-103-11 1-163-105-00 1-164-161-11 1-163-141-00	ELECT 470MF CERAMIC CHIP 33PF CERAMIC CHIP 0.0022MF CERAMIC CHIP 0.001MF	20% 5% 10% 5%	16V 50V 50V 50V
	TRANSISTOR> -81 TRANSISTOR 25		(1945년 14일 전환(1945년 - 1일 1945년 -	C523 C531 C532 C538 C541	1-163-141-00 1-164-493-11 1-164-489-11 1-164-489-11 1-164-232-11	CERAMIC CHIP 0.047MF CERAMIC CHIP 0.22MF	5% 10% 10% 10% 10%	50V 50V 16V 16V 50V
P462 A 1-2//-9/5	RESISTOR>	1N 52 - 1/	2V	C542 C543 C544 C546 C547	1-163-037-11 1-164-161-11 1-164-161-11 1-164-004-11 1-163-020-00	CERAMIC CHIP 0.0022MF CERAMIC CHIP 0.0022MF CERAMIC CHIP 0.1MF	10% 10% 10% 10% 10%	25V 50V 50V 25V 50V
R665 A 1-218-265 R666 1-249-405 R667 1-249-430	-91 METAL GLAZE -11 CARBON -11 CARBON	100 5% 1/ 12K 5% 1/ 27K 5% 1/	4W F 4W 4W	C549 C550 C552 C559 C560	1-163-989-11	CERAMIC CHIP 0.033MF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.022MF CERAMIC CHIP 0.1MF	10% 5% 10% 10%	25V 50V 25V 25V 50V
R670 A 1-205-998 R671 1-249-415	-11 WIREWOUND	I DI IU		C562 C563 C564 C565 C566	1-216-295-00	METAL GLAZE 0 5% CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF CERAMIC CHIP 0.01MF	1/10	50V 50V 50V 50V 50V
	<thermistor></thermistor>			C567 C568 C569 C570	1-163-009-11	CERAMIC CHIP 0.001MF CERAMIC CHIP 0.001MF CERAMIC CHIP 0.0022MF	10% 10% 10% 10%	50V 50V 50V 16V
THP661A 1-809-82	/ <u> </u>				<f11< td=""><td>LTER></td><td></td><td></td></f11<>	LTER>		
*A-1635-00	1-A M BOARD, COM	PLETE *****		CD001	1-577-364-11	VIBRATOR, CERAMIC		
					<c01< td=""><td>NNECTOR></td><td></td><td></td></c01<>	NNECTOR>		
COO1 1-163-117	-00 CERAMIC CHIP	100PF 5% 100PF 5%	50V 50V 50V 50V 50V	CN1413 CN1426 CN1432	3 1-695-301 - 11 5*1-568-881 -5 1	PIN, CONNECTOR 5P CONNECTOR, BOARD TO BOA PIN, CONNECTOR 6P PIN, CONNECTOR 7P PLUG, CONNECTOR 8P	ARD 40P	
C011 1-163-117 C012 1-163-117	-00 CERAMIC CHIP	100PF 5%	50V 50V	1	<01	ODE>		
C014 1-163-117 C016 1-163-141 C018 1-164-505	-00 CERAMIC CHIP -00 CERAMIC CHIP -11 CERAMIC CHIP	100PF 5% 0.001MF 5% 2.2MF	50V 50V 16V	D001 D501 D503	8-719-027-82 8-719-800-76 8-719-401-31	DIODE 1SS226 DIODE MA3047L-TX		
C019 1-124-477 C032 1-163-117 C035 1-163-037 C036 1-164-009 C037 1-163-117	-00 CERAMIC CHIP -11 CERAMIC CHIP -11 CERAMIC CHIP	0.022MF 10 0.47MF	50V 25V 25V	D504 D510	8-719-400-18 8-719-105-91 <1C	DIODE RD5.6M-B2		
C501 1-163-021 C502 1-164-23; C503 1-104-82! C504 1-130-83 C505 1-124-92!	-11 CERAMIC CHIF -91 FILM -21 MYLAR		50V 50V 63V	I C003	8-759-072-93 *1-540-123-11 8-759-160-87 8-759-513-48 8-752-347-92	1C M27C512-20B1-AE27 1C TDA2595/V9		
C506 1-162-56 C507 1-164-48 C508 1-164-23 C509 1-164-16 C510 1-124-92	9-11 CERAMIC CHIF 2-11 CERAMIC CHIF 1-11 CERAMIC CHIF	0.22MF 10 0.01MF 10	% 16V % 50V % 50V	IC562 IC563	8-759-998-98 8-759-081-30	IC MC78LO5ACPRP		
C511 1-106-37		0.022MF 10	% 250V	L001 L501 L561	1-408-421-00 1-410-119-11 1-408-409-00	INDUCTOR 1MMH		



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REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION				REMA	
L562 L563	1-408-409-00 1-408-947-00	INDUCTOR INDUCTOR NSISTOR>	10UH 2.2M	I MH		R510 R511 R512 R513 R514	1-216-073-00 1-216-097-00 1-216-049-00 1-216-230-00 1-216-061-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	10K 5 100K 5 1K 5 22K 5	7 7 7 7	1/10W 1/10W 1/10W 1/8W 1/10W		
Q002		TRANSISTOR 2	SA1162-	-G		R515	1-216-049-00				1/10W		
0003 0501 0502 0503	8-729-216-22 8-729-901-81 8-729-901-01 8-729-901-81 8-729-901-01	TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR D	SC2412K TC144EK SC2412K TC144EK	-T-146-R -T-146-R		R516 R517 R518 R519	1-216-039-00 1-216-039-00 1-216-075-00 1-216-033-00	METAL GLAZE METAL GLAZE	390 5 390 5 12K 5 220 5	7 7	1/10W 1/10W 1/10W 1/10W		
9508 9509 9564 9565 9566	8-729-901-01 8-729-901-81 8-729-216-22 8-729-901-81 8-729-901-81	TRANSISTOR D'TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2: TRANSISTOR 2:	TC144EK SC2412K SA1162- SC2412K SC2412K	-T-146-R G -T-146-R -T-146-R		R520 R521 R522 R523 R524	1-216-093-00 1-216-053-00 1-216-085-00 1-216-065-00 1-216-063-00	METAL GLAZE METAL GLAZE METAL GLAZE	68K 5 1.5K 5 33K 5 4.7K 5	% %	1/10W 1/10W 1/10W 1/10W 1/10W		
Q567	8-729-901-01	TRANSISTOR D	ГС144ЕК			R525	1-216-093-00 1-216-073-00	METAL GLAZE	68K 5		1/10W 1/10W		
	<res< td=""><td>ISTOR></td><td></td><td></td><td></td><td>R526 R527 R528 R529</td><td>1-216-689-11 1-216-049-00 1-216-696-11</td><td>METAL GLAZE METAL GLAZE</td><td>1K 5</td><td>7 7 .507</td><td>1/10W 1/10W</td><td></td><td></td></res<>	ISTOR>				R526 R527 R528 R529	1-216-689-11 1-216-049-00 1-216-696-11	METAL GLAZE METAL GLAZE	1K 5	7 7 .507	1/10W 1/10W		
JR540 R001	1-216-295-00 1-216-025-00	METAL GLAZE METAL GLAZE	0 100	5% 1/10 5% 1/10	W W	R531	1-216-085-00	METAL GLAZE	33K 5	X	1/1 0 W		
R002 R003 R006	<pre></pre>	METAL GLAZE METAL GLAZE METAL GLAZE	100 1 K 1 K	5% 1/10 5% 1/10 5% 1/10	₩ ₩ ₩	R532 R533 R535	1-216-671-11 1-216-105-00 1-216-057-00 1-216-057-00	METAL CHIP METAL GLAZE	6.8K 0 220K 5 2.2K 5 2.2K 5	. 50%	1/10W 1/10W		
R007	1-216-073-00 1-216-049-00	METAL GLAZE	10K 1K		W	R536	1-216-057-00				1/10W 1/10W		
R011	1-216-049-00 1-216-049-00 1-216-049-00	METAL GLAZE	1 K 1 K 1 K 1 K	5% 1/10		R539 R541 R542	1-216-657-11 1-216-049-00 1-216-025-00	METAL CHIP METAL GLAZE METAL GLAZE	1.8K 0	.50% %	1/10W 1/10W 1/10W		
R014 R015	1-216-049-00 1-216-296-00	METAL GLAZE METAL GLAZE	1 K	5% 1/10 5% 1/8W	W	R544	1-216-085-00				1/10W 1/10W		
R016 R017 R018	1-216-045-00 1-216-049-00 1-216-041-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 0 680 1K 470	5% 1/10 5% 1/10 5% 1/10	id d	R546 R547 R551 R552	1-216-061-00 1-216-049-00 1-216-049-00	METAL GLAZE	220 5 3.3K 5 1K 5 1K 5 100K 5	Ž Ž	1/10W 1/10W 1/10W		
R020 R021	1-216-049-00 1-216-065-00	METAL GLAZE METAL GLAZE	1K 4.7K	5% 1/10 5% 1/10	M)	R553	1-216-097-00 1-216-085-00				1/10W 1/10W		
R025 R026	1-216-049-00 1-216-049-00 1-216-075-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 4.7K 1K 1K 12K	5% 1/10 5% 1/10 5% 1/10	₩ al al	R559 R560 R564	1-216-049-00 1-216-073-00 1-216-091-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	33K 5 1K 5 10K 5 56K 5 4.7K 5	% %	1/10W 1/10W 1/10W 1/10W		
R030 R032	1-216-049-00	METAL GLAZE METAL GLAZE	1 K 1 K 1 K	5% 1/10 5% 1/10	d d	R566	1-216-073-00	METAL GLAZE			1/10W		
R033 R034 R035	1-216-049-00 1-216-057-00 1-216-057-00	METAL GLAZE	1K 2.2K 2.2K	5% 1/10 5% 1/10 5% 1/10	a)	R567 R568 R570	1-216-085-00 1-216-109-00 1-216-049-00	METAL GLAZE	10K 5 33K 5 330K 5 1K 5	7	1/10W 1/10W 1/10W		
R038 R049	1-216-073-00 1-216-049-00	METAL GLAZE METAL GLAZE	10K 1K	5% 1/10 5% 1/10			<var< td=""><td>IABLE RESISTOR</td><td>></td><td></td><td></td><td></td><td></td></var<>	IABLE RESISTOR	>				
R050 R051	1-216-073-00 1-216-081-00 1-216-073-00	METAL GLAZE METAL GLAZE METAL GLAZE	10K 22K 10K	5% 1/10 5% 1/10 5% 1/10	ri N	RV506	1-241-766-11						
R053	1-216-065-00	METAL GLAZE	4.7K	5% 1/10	d	*****	**********	**********	******	*****	****	*****	***
R054 R055	1-216-081-00	METAL GLAZE	22K 22K	5% 1/10	d .		*A-1638-033-A	C BOARD, COMP					
R067 R068	1-216-043-00 1-216-043-00	METAL GLAZE METAL GLAZE	560 560	5% 1/10 5% 1/10			<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td></td><td></td></cap<>	ACITOR>					
R069 R070	1-216-037-00 1-216-037-00	METAL GLAZE METAL GLAZE	330 330	5% 1/10 5% 1/10	J	C701	1-162-114-00	CERAMIC	0.0047MF		.	2KV	
R501 R502 R503	1-216-047-00 1-216-097-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE	820 100K 5.6K	5% 1/10 5% 1/10 5% 1/10	Ų	C708	1-123-946-00 1-162-116-00 1-163-197-00 1-163-005-11			20 10 10 10)%	250V 2KV 50V 50V	
R504 R505	1-216-063-00 1-216-075-00	METAL GLAZE METAL GLAZE	3.9K 12K	5% 1/10 5% 1/10		C710	1-163-005-11	CERAMIC CHIP		10)%	50V	
R506 R507 R509	1-216-049-00 1-216-097-00 1-216-039-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 100K 390	5% 1/10 5% 1/10 5% 1/10	J	C711 C712	1-101-880-00 1-163-121-00	CERAMIC CHIP	47PF 150PF	52 52		50V 50V	



Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark \triangle are critical for safety.
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
C713 C714 C716			50V 50V 50V	R710 R711 R712 R713 R714	1-215-899-11 1-202-820-11 1-215-899-11 1-202-820-11 1-215-899-11	METAL OXIDE SOLID METAL OXIDE SOLID METAL OXIDE	15K 5% 1.5K 20% 15K 5% 1.5K 20% 15K 5%	1/2W 2W 1/2W	F F
		NECTOR>		R715	1-202-820-11	SOLID	1.5K 20%	1/2W 1/4W	p .
CNUADS	*1~561~511~31	PIN, CONNECTOR (5MM PITCH) 21 PLUG, CONNECTOR 8P PIN, CONNECTOR (5MM PITCH) 61)	R715 R716 R717 R718 R720	1-247-700-11 1-249-405-11 1-247-700-11 1-249-417-11	CARBON CARBON CARBON CARBON	100 5% 100 5% 100 5% 1K 5%	1/4W 1/4W	F F F
	<di01< td=""><td>DE></td><td></td><td>R722 R724</td><td>1-247-713-11 1-249-417-11</td><td>CARBON CARBON</td><td>1K 5%</td><td>1/4W 1/4W</td><td>F</td></di01<>	DE>		R722 R724	1-247-713-11 1-249-417-11	CARBON CARBON	1K 5%	1/4W 1/4W	F
D701 D702 D703 D704	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE ISS119 DIODE ISS119		R725 R726 R727	1-216-067-00 1-216-067-00 1-216-067-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 1K 5% 5.6K 5% 5.6K 5% 5.6K 5%	1/10W 1/10W 1/10W	
D705	8-719-911-19	DIODE ISSI19		R728 R729	1-216-037-00 1-216-037-00	METAL GLAZE METAL GLAZE	330 5% 330 5%	1/10W 1/10W	
D706 D707 D708 D709	8-719-911-19	DIODE 1SS119		R730 R731 R732	1-216-037-00 1-216-017-00 1-216-017-00	METAL GLAZE METAL GLAZE METAL GLAZE	330 5% 330 5% 330 5% 47 5% 47 5%	1/10W 1/10W 1/10W	
D710	8-719-911-19	DIODE 1SS119		R733 R734	1-216-017-00 1-202-549-00	METAL GLAZE SOLID	47 5% 100 20%	1/10W 1/2W	
D713	8-719-908-03	DIODE GPO8D		R735 R738 R739	1-216-049-00 1-216-025-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 100 5% 100 5%	1/10W 1/10W 1/10W	
	<jac< td=""><td></td><td></td><td>R740</td><td>1-216-025-00</td><td>METAL GLAZE</td><td>100 5% 47K 5%</td><td>1/10W</td><td></td></jac<>			R740	1-216-025-00	METAL GLAZE	100 5% 47K 5%	1/10W	
J701 Z	<u>1</u> 1=540-223=11 <001	SOCKET, PICTURE TUBE	等的。《 特别的 第一	R741 R742 R743 R747	1-216-089-00 1-216-295-00 1-249-434-11 1-216-489-11	METAL GLAZE METAL GLAZE CARBON METAL OXIDE	47K 5% 0 5% 27K 5% 27K 5%	1/10W 1/10W 1/4W 3W	F
1.701 -	1-410-667-31			R749	1-216-490-11	METAL OXIDE	39K 5%	3₩	F
L703 L705 L707	1-408-609-41 1-408-609-41	INDUCTOR 33UH		R751 R753 R755 R756	1-215-926-00 1-216-073-00 1-216-065-00 1-216-065-00	METAL OXIDE METAL GLAZE METAL GLAZE METAL GLAZE	39K 5% 33K 5% 10K 5% 4.7K 5% 4.7K 5%	3W 1/10W 1/10W 1/10W	
	<tra< td=""><td>NSISTOR></td><td></td><td>R757</td><td>1-216-065-00</td><td>METAL GLAZE CARBON</td><td>4.7K 5% 1.5K 5% 1.5K 5%</td><td>1/10W 1/4W</td><td></td></tra<>	NSISTOR>		R757	1-216-065-00	METAL GLAZE CARBON	4.7K 5% 1.5K 5% 1.5K 5%	1/10W 1/4W	
Q701	8-729-906-70	TRANSISTOR BF871		R758 R759	1-249-419-11 1-249-419-11 1-249-419-11	CARBON	1.5K 5% 1.5K 5%	1/4W 1/4W	
9702 9703 9704 9705	8-729-906-70 8-729-906-70 8-729-906-70 8-729-906-70	TRANSISTOR BF871 TRANSISTOR BF871 TRANSISTOR BF871 TRANSISTOR BF871		R760		RIABLE RESISTO		1/ 1#	
9706 9707	8-729-906-70 8-729-200-17	TRANSISTOR BF871 TRANSISTOR 2SA1091-0		RV701 RV702	1-230-641 - 11 1-241-714-11	RES, ADJ, ME'	TAL GLAZE 2 TAL FILM 11	2M .OM	
Q708 Q709	8-729-200-17 8-729-200-17	TRANSISTOR 2SA1091-0 TRANSISTOR 2SA1091-0		****	*********	********	********	******	******
Q710	8-729-901-81				*A-1640-098-A	D1 BOARD, CO	MPLETE		
Q711 Q712 Q713 Q714	8-729-901-81 8-729-901-81 8-729-216-22 8-729-255-12	TRANSISTOR 2SC2412K-T-146-R TRANSISTOR 2SC2412K-T-146-R TRANSISTOR 2SA1162-G TRANSISTOR 2SC2551-0			4-382-854-11	SCREW (M3X10		·)	
					<ca< td=""><td>PACITOR></td><td></td><td></td><td></td></ca<>	PACITOR>			
*****		SISTOR>	/ota	C1601 C1602		ELECT FILM	1MF 1MF	20% 5%	50V 50V
JR703		METAL GLAZE 0 5% 1	/8W /8W /2W	C1603 C1605	1-130-772-00	FILM	0.22MF 10MF	5% 5% 20%	63V 16V
R701 R702	1-202-848-00 1-202-838-00	SOLID 100K 20% 1	/2W /2W /2W	C1606			47MF	20%	507
R703	1-202-815-11		/2W /2W	C1607 C1608			0.47MF 330PF	20% 10%	50V 50V
R704 R705 R707	1-202-842-11 1-216-367-11 1-249-421-11	METAL OXIDE 0.68 5% 2	₩ F /4₩	C1610 C1611	1-136-103 -0 0 1-124-903-11	FILM ELECT	0.1MF 1MF	5% 20%	200V 50V
R708 R709	1-249-421-11 1-249-421-11 1-249-421-11	CARBON 2.2K 5% 1.	/4W /4W	C1614	1-137-371-11	FILM	0.015MF	5%	50V
1109	1-249 421 11	Ombon Bill Ja 1		C1615	1-124-903-11	ELECT	1MF	20%	50V



REMARK

REF.NO.	PART NO.	DESCRIPTION	I .		REMARK	REF.NO.	PART NO.	DESCRIPTION	l -	
C1616 C1617	1-129-702-00 1-129-702-00 1-102-074-00 1-136-601-11 1-124-557-11	FILM FILM CERANIC	0.001MF 0.001MF	10%	400V 400V	D1802 D1804	8-719-911-19 8-719-911-19	DIODE 188119 DIODE 188119		
					50V 630V 25V	! D1806	8-719-801-35 8-719-980-78 8-719-980-78	DIODE FRASS-	-006	E2)
C1623 C1625 C1626	1-129-702-00 1-126-320-11 1-130-777-00 1-136-173-00 1-124-907-11	FILM ELECT FILM	0.001MF 10MF 0.1MF	10% 20% 5%	400V 16V 63V	D1808 D1809	8-719-911-19 8-719-911-19	DIODE 188119 DIODE 188119		
					50V 50V	D1811	8-719-911-19 8-719-936-84 8-719-911-19	DIODE RGP10G	PKG3	
C1630 C1631 C1633	1-136-557-11 1-102-244-00 1-124-907-11 1-124-907-11 1-136-559-11	CERAMIC ELECT ELECT	220PF 10MF 10MF	10% 10% 20% 20% 10%	630V 500V 50V 50V		<1C>			
					400V 630V	101603 101604	8-759-135-80 8-759-987-16 8-759-987-16	IC LM393P IC LM393P		
C1637 C1680 C1681	1-129-718-00 1-129-702-00 1-124-797-11 1-129-702-00 1-137-366-11	FILM ELECT FILM	0.001MF 0.47MF 0.001MF	10% 20% 10%	400V 160V 630V	IC1802	8-749-920-58 8-752-052-88	IC CXA1526P		
C1690	1-137-366-11	ELECT	10MF	20%	50V 160V	101803	8-759-135-80			
C1801 C1802 C1803	1-124-046-00 1-124-910-11 1-124-910-11 1-137-370-11 1-137-370-11	ELECT ELECT FILM	47MF 47MF 0.01MF	20% 20% 5%	50V 50V 50V	L1601	<01 1-410-093-11 1-459-075-00		33MMH	
C1804	1-137-370-11	FILM	0.01MF	5% 5%	50V 63V	L1607 L1801	1-459-148-00 1-459-592-11	COIL (WITH C	ORE) (PMC)	
C1807 C1809 C1810	1-130-777-00 1-130-777-00 1-124-360-00 1-136-104-00 1-136-177-00	ELECT FILM	1000MF 0.16MF	20% 5%	63V 16V 200V 50V	L1802	1-459-087-00	NSISTOR>	T CURE 3.9	JMMH
C1811	1-162-318-11	000 1111 0	0.004110	107	500V	Q1601	8-729-173-38 8-729-119-78		SA733-K	
C1813 C1814	1-124-927-11 1-106-383-00 1-124-907-11 1-124-907-11	ELECT MYLAR ELECT ELECT	0.001MF 4.7MF 0.047MF 10MF 10MF	20% 10% 20% 20%	50V 100V 50V 50V	Q1602 Q1603 Q1604 Q1605	8-729-119-78 8-729-119-78 8-729-173-38 8-729-173-38	TRANSISTOR 29 TRANSISTOR 29 TRANSISTOR 29 TRANSISTOR 29	SC2785-HFE SC2785-HFE SA733-K SA733-K	
C1816 C1817	1-124-916-11 1-124-927-11	ELECT ELECT	22MF 4.7MF	20% 20%	50V 50V	Q1606 Q1607	8-729-119-80 8-729-119-80	TRANSISTOR 25	SC2688-LK SC2688-LK	
C1819 C1820	1-124-916-11 1-124-927-11 1-124-910-11 1-130-777-00 1-126-103-11	FILM ELECT	0.1MF 470MF	20% 5% 20%	50V 63V 16V	Q1609	8-729-140-97 8-729-140-96 8-729-119-78	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SD774-34	:
C1822	1-136-559-11	MYLAR	0.0047MF	10%	400V	Q1612	8-729-119-78 8-729-173-38 8-729-931-45	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 15	SA733-K	,
CNOC 07+		NECTOR>	DD 4D			Q1614	8-729-173-38 8-729-011-06	TRANSISTOR 25	SA733-K	
CN0622* CN0630*	1-568-879-51 1-564-512-41 1-568-878-51 1-508-765-00	PLUG, CONNECT PIN, CONNECT	TOR 9P DR 3P	H) 3P		Q1617 Q1618 Q1802	8-729-173-38 8-729-119-78 8-729-119-78 8-729-173-38	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SC2785-HFE SC2785-HFE SA733-K	
	<010	DE>					8-729-119-78 8-729-119-78	TRANSISTOR 25 TRANSISTOR 25		
D1602 D1603 D1605	8-719-911-19 8-719-109-97 8-719-936-84 8-719-911-19 8-719-980-78	DIODE 1SS119 DIODE RD6.8E DIODE RGP10GI DIODE 1SS119 DIODE ERA83-0	S-B2 PKG3			Q1805 Q1806 Q1807	8-729-177-22 8-729-119-78 8-729-140-97 8-729-173-38	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	SB772-Q SC2785-HFE SB734-34	
D1607 D1608	8-719-911-19 8-719-980-78 8-719-911-19	DIODE 1SS119 DIODE ERA83-(DIODE 1SS119				Q1810 Q1811	8-729-140-96 8-729-119-78		5D774-34 5C2785-HFE	
D1612	8-719-970-87 8-719-109-89	DIODE ERA38-0 DIODE RD5.6ES					8-729-119-78	TRANSISTOR 2S		
D1680	8-719-911-19 8-719-970-87	DIODE ERA38-0			1 1 1 1			STOR>		
01801	8-719-980-78	DIODE ERA83-0	006		;	JR1	1-216-295-00	METAL GLAZE	0 5%	1/10W

KV-S341

D1 D2

REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK	
JR2 R1601 R1602 R1603 R1604	1-216-296-00 1-216-061-00 1-249-433-11 1-216-073-00 1-249-429-11	METAL GLAZE METAL GLAZE CARBON METAL GLAZE CARBON	0 3.3K 22K 10K 10K	5% 5% 5% 5%	1/8W 1/10W 1/4W 1/10W 1/4W		R1685 R1686 R1687 R1801 R1802	1-249-441-11 1-249-441-11 1-249-441-11 1-249-409-11 1-249-409-11	CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON METAL GLAZE CARBON METAL GLAZE METAL OXIDE	100K 100K 100K 220 220	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		
R1605 R1606 R1607 R1608 R1609	1-216-081-00 1-249-425-11 1-249-436-11 1-216-685-11 1-216-693-11	METAL GLAZE CARBON CARBON METAL CHIP METAL CHIP	22K 4.7K 39K 27K 56K	5% 5% 5% 0.50% 0.50%	1/10W 1/4W 1/4W 1/10W 1/10W		R1804 R1806 R1807 R1808 R1809	1-247-891-00 1-216-103-00 1-247-891-00 1-215-461-00 1-249-423-11	CARBON METAL GLAZE CARBON METAL CARBON CARBON	330K 180K 330K 47K 3.3K	5% 5% 1% 5%	1/4W 1/10W 1/4W 1/4W 1/4W 1/4W		
R1610 R1611 R1612 R1613 R1615	1-216-687-11 1-218-758-11 1-249-425-11 1-249-425-11 1-249-424-11	METAL CHIP METAL CHIP CARBON CARBON CARBON	180K 4.7K 4.7K 3.9K	0.50% 5% 5% 5%	1/10W 1/10W 1/4W 1/4W 1/4W		R1811 R1812 R1813 R1815	1-216-083-00 1-216-091-00 1-249-417-11 1-216-069-00 1-216-065-00	METAL GLAZE METAL GLAZE CARBON METAL GLAZE METAL GLAZE	27K 56K 1K 6.8K	5% 5% 5% 5% 5% 5%	1/10W 1/10W 1/4W 1/10W 1/10W		
R1616 R1617 R1619 R1620 R1621	1-216-057-00 1-216-081-00 1-216-085-00 1-249-419-11 1-215-876-00	METAL GLAZE METAL GLAZE METAL GLAZE CARBON METAL OXIDE	2.2K 22K 33K 1.5K 15K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/4W 1W	F	R1817 R1818 R1819 R1820	1-216-059-00 1-216-049-00 1-216-079-00 1-249-417-11 1-216-379-11	METAL GLAZE METAL GLAZE METAL GLAZE CARBON METAL OXIDE	2.7K 1K 18K 1K 6.8	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/4W	F	
111021	1 247 413 11	Olling O.		5% 5% 5% 5%	1/10W 1/4W 1/4W 1/4W	•	R1822 R1824 R1825 R1826 R1827	1-249-423-11 1-249-417-11 1-215-857-11 1-249-404-00 1-215-875-11	CARBON CARBON METAL OXIDE CARBON METAL OXIDE CARBON CARBON CARBON CARBON CARBON METAL OXIDE CARBON METAL OXIDE CARBON METAL OXIDE CARBON METAL GLAZE CARBON CARBON CARBON	3.3K 1K 10 82 10K	5% 5% 5% 5%	1/4W 1/4W 1W 1/4W	F F	
	1-216-057-00 1-249-429-11 1-249-433-11 1-216-057-00 1-249-421-11			5% 5% 5% 5%	1/4W 1/4W 1/10W 1/4W		R1828 R1829 R1830 R1831 R1832	1-249-441-11 1-249-414-11 1-249-411-11 1-249-426-11 1-215-864-00	CARBON CARBON CARBON CARBON METAL OXIDE	100K 560 330 5.6K 150	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1W	F	
R1635 R1636 R1637 R1638	1-216-093-00 1-216-073-00 1-216-073-00 1-216-057-00 1-249-405-11 1-249-405-11	METAL GLAZE METAL GLAZE METAL GLAZE CARBON CARBON	10K 10K 2.2K 100	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/4W	F	R1833 R1834 R1835 R1836 R1837	1-249-421-11 1-216-081-00 1-249-393-11 1-249-435-11 1-249-435-11	CARBON METAL GLAZE CARBON CARBON CARBON	2.2K 22K 10 33K 33K	5% 5% 5% 5% 5%	1/4W 1/10W 1/4W 1/4W 1/4W		
R1640 R1641	1-249-405-11 1-249-405-11 1-249-405-11 1-216-081-00 1-216-113-00		100 100 100 22K 470K	5% 5% 5% 5%	1/4W 1/4W 1/10W 1/10W	F	R1838 R1839 R1840 R1841 R1842	1-216-379-11 1-249-410-11 1-249-429-11 1-249-437-11 1-249-429-11	METAL OXIDE CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON	6.8 270 10K 47K 10K	5% 5% 5% 5%	2W 1/4W 1/4W 1/4W 1/4W	F	
R1647 R1648 R1650	1-216-067-00 1-216-067-00 1-249-435-11 1-249-425-11 1-216-025-00 1-216-107-00	METAL GLAZE	4.7K 5.6K 33K 4.7K 100	3%	1/10W 1/4W 1/4W 1/10W		R1848	1-249-421-11 1-249-429-11 1-216-065-00 1-249-429-11 1-216-065-00	CARBON	2.2K 10K 4.7K 10K 4.7K	5%	1/4W 1/4W 1/10W 1/4W 1/10W		
R1654 R1655 R1656 R1657	1-247-889-00 1-215-876-00 1-249-413-11 1-249-393-11	CARBON METAL OXIDE CARBON CARBON	270K 15K 470 10	5% 5% 5% 5%	1/4W 1W 1/4W 1/4W 1/4W	F	R1850	1-249-415-11			5%	1/4W	******	
R1658 R1659 R1660 R1661 R1662	1-249-437-11 1-216-295-00 1-216-089-00 1-216-073-00 1-216-097-00	METAL GLAZE METAL GLAZE METAL GLAZE	47K 0 47K 10K 100K		1/10W 1/10W 1/10W 1/10W			<ca< td=""><td>PACITOR></td><td>*****</td><td></td><td>20%</td><td>FOV</td><td></td></ca<>	PACITOR>	*****		20%	FOV	
R1664 R1665 R1666 R1671 R1680	1-249-412-11 1-218-078-51 1-218-078-51 1-216-081-00 1-249-417-11	METAL OXIDE METAL OXIDE METAL GLAZE	390 2.2K 2.2K 22K 1K		1/4W 2W 2W 1/10W 1/4W		C1853 C1854 C1855 C1858		ELECT ELECT FILM CERAMIC CHIP		MF	20% 20% 20% 10% 5%	50V 50V 50V 400V 50V	
R1681 R1682 R1683 R1684	1-249-429-11 1-249-433-11 1-249-411-11 1-249-435-11	CARBON CARBON	10K 22K 330 33K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		C1860	1-163-275-11 1-137-104-11 1-137-104-11 1-124-657-00	FILM	0.001 0.033 0.033 10MF	MF	5% 10% 10% 20%	50V 250V 250V 50V	

The components identified by shading and mark $ilde{\Delta}$ are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite.
Ne les remplacer que par une
piece portant le numero specifie.



REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
C1867	1-136-104-00 1-124-478-11 1-164-346-11	FILM ELECT CERAMIC CHIP	0.16MF 100MF 1MF	5% 20%	200V 25V 16V	R1886 R1889 R1890	1-216-198-00 1-216-295-00 1-260-098-11 1-249-394-11 1-249-411-11	METAL GLAZE Carbon	0 820 12	5% 5% 5%	1/8W 1/10W 1/2W 1/4W 1/4W	F
	<con< td=""><td>NECTOR></td><td></td><td></td><td></td><td>R1893</td><td>1-249-387-11</td><td></td><td></td><td></td><td></td><td>F</td></con<>	NECTOR>				R1893	1-249-387-11					F
CN1823*	*1-573-299-11		DARD TO BOAL	RD 10P		R1894 R1895 R1896	1-249-429-11 1-249-429-11 1-249-427-11 1-249-411-11	CARBON CARBON	10K 10K 6.8K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
D10F1	<dio< td=""><td></td><td>_D^</td><td></td><td></td><td>1</td><td>1-249-411-11</td><td></td><td></td><td></td><td>1/4W</td><td></td></dio<>		_D^			1	1-249-411-11				1/4W	
D1852 D1856 D1867	8-719-110-31 8-719-110-31 8-719-911-19 8-719-987-87 8-719-987-87	DIODE RD12ES- DIODE 1SS119	-82 009			1 11077		TABLE RESISTOR		J.N.	1/ 4#	
D1882	8-719-109-89 8-719-109-89	DIODE RD5.6ES	5-B2			RV1851 RV1853	1-241-765-11 1-241-761-11	RES, ADJ, CER RES, ADJ, CER	MET 22K MET 1K			
	<10>						<tra< td=""><td>NSFORMER></td><td></td><td></td><td></td><td></td></tra<>	NSFORMER>				
101051	8-759-081-30	10 MC78105AC	DRD			T1851	1-423-622-11	TRANSFORMER,	FERRITE	E		
IC1852	8-759-135-80 8-759-902-21	IC UPC358C				*****	***********	**********	******	*****	*****	******
1010))	0 137 702 21	10 581455251	•				*A-1642-095-A	D BOARD, COMP				
	<c01< td=""><td></td><td></td><td></td><td></td><td></td><td>4-200-001-01</td><td>HOLDER, IC</td><td></td><td></td><td></td><td></td></c01<>						4-200-001-01	HOLDER, IC				
L1852	1-459-390-00	COIL (WITH CO	ORE)				4-201-023-01 4-382-854-11	SPACER, INSUL SCREW (M3X10) RIVET NYLON,	ATING P. SW	(+)		
	<10	LINK>					4-812-134-00	RIVET NYLUN,	3.5			
P\$18512	Nerska (m.	LINK, IC 0.2	25 A		rii kari		<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td></td></cap<>	ACITOR>				
	<tra< td=""><td>NSISTOR></td><td></td><td></td><td></td><td>C601</td><td>1-130-202-00 1-164-246-61</td><td>FILM</td><td>0.022MF</td><td>) (p</td><td>0% 10%</td><td>400V 400V</td></tra<>	NSISTOR>				C601	1-130-202-00 1-164-246-61	FILM	0.022MF) (p	0% 10%	400V 400V
01851	8-729-119-78	TRANSISTOR 25	SC2785-HFE			C605 C608	1-124-910-11 1-124-903-11	ELECT ELECT	47MF 1MF	2	0% 20%	50V 50V
Q1852 Q1853	8-729-173-38 8-729-119-78	TRANSISTOR 25	SA733-K SC2785-HFE			C611	1-102-002-00		680PF		.0%	500V
Q1854 Q1855	8-729-173-38 8-729-119-78	TRANSISTOR 25 TRANSISTOR 25	SA733-K SC2785-HFE			C612 C613	1-130-481-00 1-129-722-00	FILM	0.0068M 0.047MF	1	.0%	50V 630V
Q1856	8-729-208-39	TRANSISTOR 25	SA1306A-Y			C614 C615 C616	1-102-030-00 1-124-962-11 1-162-115-00	ELECT	330PF 2200MF 330PF	2	0% 20% 0%	500V 25V 1KV
Q1858	8-729-122-03 8-729-920-92 8-729-173-38	TRANSISTOR 25 TRANSISTOR 25	SD2096-EF			C617	1-162-116-00		680PF		.0%	2KV
Q1860		TRANSISTOR 25	SC2785-HFE				1-162-134-11 1-102-030-00	CERAMIC CERAMIC	470PF 330PF	1	0%	2KV 500V
Q1861	8-729-208-72	TRANSISTOR 25	SC3298B-Y			C620 C621	1-164-299-11 1-124-347-00	CERAMIC CHIP ELECT		1	0%	25V 160V
	<res< td=""><td>ISTOR></td><td></td><td></td><td></td><td>C622</td><td>1-128-320-11</td><td>ELECT</td><td>2200MF</td><td></td><td>20%</td><td>16V</td></res<>	ISTOR>				C622	1-128-320-11	ELECT	2200MF		20%	16V
R1851	1-260-098-11		820 5%	1/2₩		C623 C624	1-102-030-00	CERAMIC ELECT	330PF 2200MF	2	10% 20%	500V 35V
R1852 R1853	1-247-895-00 1-215-465-00	CARBON METAL	820 5% 470K 5% 68K 1%	1/4W 1/4W		C625 C627	1-126-800-51 1-136-553-11		2200MF 0.0015M	(F 1	20% 10%	35V 400V
R1854 R1858	1-249-429-11 1-247-895-00	CARBON CARBON	10K 5% 470K 5%	1/4W 1/4W		C628 C629	1-124-910-11	ELECT ELECT	47MF 10MF		20%	50V 50V
R1860 R1861	1-249-408-11 1-249-429-11	CARBON CARBON	180 5% 10K 5%	1/4W 1/4W		C631 C632	1-163-075-00 1-137-372-11	CERAMIC CHIP		1	0%	25V 50V
R1862	1-249-418-11 1-215-475-00	CARBON METAL	10K 5% 1.2K 5% 180K 1%	1/4W 1/4W		C633	1-163-078-11	CERAMIC CHIP	0.033MF	1	.0%	25V
R1873	1-249-387-11	CARBON	3.3 5%	1/4W	F	C636 C640	1-130-777-00 1-124-916-11		0.1MF 22MF	2	7 07	63V 50V
R1878	1-215-445-00 1-260-096-11	METAL CARBON	10K 1% 560 5%	1/4W 1/2W	P	C803	1-137-116-11 1-164-695-11	CERAMIC CHIP		(F 5	7	200V 50V
R1879 R1881	1-249-394-11 1-260-096-11	CARBON CARBON	10K 1% 560 5% 12 5% 560 5% 470 5%	1/4W 1/2W		}	1-106-383-00		0.047MF		.0%	100V
R1882	1-215-867-00	METAL OXIDE	470 5%	1W	F	C805 C806	1-124-902-00 1-124-907-11	ELECT ELECT	0.47MF 10MF		20% 20%	50V 50V



Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark (A) are critical for safety.
Replace only with part number specified.

REF.NO. PART NO. DESCRIPTION REMAIK REF.NO. PART NO. DESCRIPTION REMAIK									
1-62-114-00 CERANTC CHOP 2017 CROSS 1-124-08-0-51 ELECT CHOP 2017 CROSS 1-124-0-150 CERANTC CHIP 2019 CROSS CR	REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
124-09-01 LECT CODING	C807 1-136-553-11	FILM	0.0015MF 1	10%					
CRIST -162-117-00 ELECT A 109F 10X 500V CREAMIC 220F 10X 220F CREAMIC 220F	C809 1-124-808-51 C810 1-163-001-11 C812 1-162-318-11	CERAMIC CHIP CERAMIC	220PF 1 0.001MF 1	10%	200V 50V 500V	CN0009 CN0504*	1-568-878-51 1-568-882-51 1-568-880-51	PIN, CONNECTOR 3P PIN, CONNECTOR 7P PIN. CONNECTOR 5P	
Company Comp	C813 1-108-704-11 C815 1-162-117-00	MYLAR CERAMIC	0.1MF 1 100PF	10%	500V	CN0506*	1-568-880-51	PIN, CONNECTOR 5P	
CASE 1-12-902-00 ELECT O.47MF 20X 50V CROS25*1-695-294-11 PIN, CONNECTOR (PC. BOARD) 6P	C821 <u>∧</u> 1-137-347-11	KILM	U. UZZMF	20% 3%	16V 2KV	CN0521* CN0522* CN0523	1-508-765-00 1-564-512-41 1-573-296-11	PIN, CONNECTOR (5MM PITCH) 3P PLUG, CONNECTOR 9P CONNECTOR, BOARD TO BOARD 10P	
Company Comp	C823 1-124-902-00	ELECI	680PF 0.47MF	4U/m	701	!			
Carrier Conserting Conser	COOM 1-127-266-11	CERAMIC FILM	680PF 0.056MF	10% 3%	2KV 400V	CN0526* CN0529* CN5521*	1-568-881-51 1-508-784-00 1-568-878-51	PIN, CONNECTOR 6P PIN, CONNECTOR (5MM PITCH) 1P PIN. CONNECTOR 3P	
CRAST 1-137-516-11 FILM 1.2MF 5X 200V 25V 2608 1-137-141-11 FILM 1.2MF 20X 25V 2608 1-102-20-20 1.108	C828 1-136-557-11	FILM FILM	0.1MF 0.0033MF	10%	400V	DY1 *	1-580-798-11	CUNNECTUR PIN (DY) 5P	
CR33	C831 1-123-932-00	FILM ELECT FIRCT	4.7MF 4.7MF	20%	160V				
C837 1-102-29-00 CERANIC CHIP O. OIMF 10% 200	C833 1-137-516-11	CILM	1 245			D606	8-719-936-84	DIODE RGP10GPKG3	
C837 1-102-29-00 CERAMIC CHIP O. 1MF 10% 200V D612 8-719-90-06 D100E D15.60	CR34 1-137-114-11	FILM ELECT	0.68MF 470MF	5% 20%	25V	D609	8-719-029-04	DIODE D5L60	
C846	C836 1-102-228-00 C837 1-129-702-00	FILM	0.001MF	10%	400Y	D611	8-719-029-04	DIODE D5L60	
C846	C839 1-123-950-00	MYLAR ELECT	0.1MF 47MF	10% 20%	200V 250V	D613	8-719-920-68	DIODE ESAB92-02	
C846	C841 1-102-228-00	CERAMIC FILM	470PF 0.068MF	10%	500V	D616	8-719-110-31	DIODE RD12ES-B2	
C853 1-124-910-11 ELECT 47MF 20% 50V		ELECT	33MF		160V	D620	8-719-911-19	DIODE 1SS119	
No.	C852 1-164-299-11		0.001MF 0.22MF 47MF	10% 20%	25V	D801	8-719-018-82	DIODE RGP02-20EL-6394	
C861 1-130-777-00 FILM 0.1MF 5% 63V B809 8-719-110-03 DIODE RD7.5ES-B2 C863 1-106-383-00 MYLAR 0.047MF 10% 100V B811 8-719-300-33 DIODE RD7.5ES-B2 C866 1-137-364-91 FILM 0.001MF 5% 63V B812 8-719-908-03 DIODE GPO8D C870 1-137-364-91 FILM 0.001MF 2% 100V B814 8-719-908-03 DIODE RUSOALFS1 C871 1-130-651-00 FILM 0.001MF 2% 100V B815 8-719-908-03 DIODE RUSOALFS1 C872 1-124-907-11 ELECT 10MF 20% 50V B816 8-719-979-85 DIODE RUSOALFS1 C873 1-137-364-91 FILM 0.001MF 5% 50V B816 8-719-979-85 DIODE RUSOALFS1 C873 1-137-364-91 FILM 0.001MF 5% 50V B816 8-719-998-93 DIODE RUSOALFS1 C873 1-137-364-91 FILM 0.001MF 5% 50V B816 8-719-998-93 DIODE RUSOALFS1 C873 1-162-038-00 CERAMIC 0.001MF 5% 50V B818 8-719-909-93 DIODE RUSOALFS1 C873 1-162-228-00 CERAMIC 0.001MF 10% 50V B824 8-719-908-03 DIODE RUSOALFS1 C879 1-102-228-00 CERAMIC 470PF 10% 50V B824 8-719-908-03 DIODE MAI52WK C1501 1-163-141-00 CERAMIC CHIP 0.01MF 20% 50V B824 8-719-908-18 DIODE MAI52WK C1502 1-124-903-11 ELECT 1MF 20% 50V B826 8-719-400-18 DIODE MAI52WK C1502 1-124-910-11 ELECT 220MF 20% 50V B830 8-719-400-18 DIODE MAI52WK C1505 1-124-911-1 ELECT 220MF 20% 50V B831 8-719-400-18 DIODE MAI52WK C1505 1-124-911-1 ELECT 220MF 20% 50V B831 8-719-400-18 DIODE MAI52WK C1505 1-124-91-1 ELECT 220MF 20% 50V B831 8-719-400-18 DIODE MAI52WK C1505 1-124-91-1 ELECT 220MF 20% 50V B831 8-719-400-18 DIODE MAI52WK C1505 1-124-91-1 ELECT 220MF 20% 50V B831 8-719-400-18 DIODE MAI52WK C1505 1-124-91-1 ELECT 220MF 20% 50V B831 8-719-400-18 DIODE MAI52WK C1505 1-124-91-1 ELECT 10MF 20% 50V B831 8-719-400-18 DIODE MAI52WK C1505 1-124-91-1 ELECT 10MF 20% 50V B831 8-719-400-18 DIODE MAI52WK C1505 1-124-91-1 ELECT 10MF 20% 50V B831 8-719-400-18 DIODE MAI52WK C1505 1-124-91-1 ELECT 10MF 20% 50V B831 8-719-400-18 DIODE MAI52WK C1505 1-124-91-1 ELECT 10MF 20% 50V B831 8-719-908-03 DIODE MAI52WK C1505 1-124-91-1 ELECT 10MF 20% 50V B831 8-719-908-03 DIODE MAI52WK C1505 1-124-91-1 ELECT 10MF 20% 50V B831 8-719-908-03 DIODE MAI52WK C1505 1-124-91-1 ELECT 10MF 20% 50V B831 8-719-908-03 DIODE MAI5	C854 A 1-162-115-91	CERANIC	330PF	10%	2KV	D804	8-719-400-18	DIODE MA152WK	
C866 1-137-364-91 FILM 0.001MF 5% 63V C870 1-137-364-91 FILM 0.001MF 5% 50V C871 1-137-364-91 FILM 0.001MF 2% 100V C872 1-124-907-11 ELECT 10MF 20% 50V C873 1-137-364-91 FILM 0.001MF 5% 50V C873 1-137-364-91 FILM 0.001MF 2% 100V C873 1-137-364-91 FILM 0.001MF 5% 50V C875 1-102-038-00 CERAMIC 0.001MF 5% 50V C875 1-102-038-00 CERAMIC CHIP 0.01MF 10% 50V C877 1-124-902-00 BLECT 0.47MF 20% 50V C878 1-164-322-11 CERAMIC CHIP 0.01MF 10% 50V C879 1-102-228-00 CERAMIC CHIP 0.001MF 10% 50V C1501 1-163-141-00 CERAMIC CHIP 0.001MF 2% 50V C1502 1-124-910-11 ELECT 1MF 20% 50V C1503 1-163-141-00 CERAMIC CHIP 0.001MF 5% 50V C1504 1-124-480-11 ELECT 220MF 20% 50V C1505 1-124-911-11 ELECT 220MF 20% 50V C1506 1-136-202-11 FILM 0.33MF 5% 63V C1507 1-106-224-00 MYLAR 0.15MF 10% 100V C1508 1-124-911-11 ELECT 10MF 20% 50V C1509 1-124-970-11 ELECT 10MF 20% 50V C1501 1-124-910-11 ELECT 10MF 20%	C857 1-124-902-00 C861 1-130-777-00	ELECT FILM	0.1MF	5%	63V	D809	8-719-110-03	DIODE RD7.5ES-B2	
C870 1-137-364-91 FILM 0.001MF 5% 50V B818 8-719-928-29 DIODE RUSOALFS1 C871 1-130-651-00 FILM 0.001MF 2% 100V B815 8-719-936-84 DIODE RCP10GPKG3 C872 1-124-907-11 ELECT 10MF 20% 50V B816 8-719-979-85 DIODE EGP20G C873 1-102-038-00 CERAMIC 0.001MF 5% 50V B818 8-719-109-93 DIODE RD6.285-B2 C875 1-102-038-00 CERAMIC 0.001MF 5% 50V B822 8-719-982-20 DIODE RD6.285-B2 C875 1-102-038-00 CERAMIC CHIP 0.01MF 10% 50V B824 8-719-976-64 DIODE RCP02-17 C879 1-02-228-00 CERAMIC CHIP 0.001MF 10% 50V B824 8-719-976-64 DIODE RCP02-17 C879 1-102-228-00 CERAMIC CHIP 0.001MF 5% 50V B826 8-719-400-18 DIODE MA152WK C1501 1-163-141-00 CERAMIC CHIP 0.001MF 5% 50V B826 8-719-400-18 DIODE MA152WK C1502 1-124-903-11 ELECT 1MF 20% 50V B826 8-719-400-18 DIODE MA152WK C1505 1-124-911-11 ELECT 470MF 20% 50V B828 8-719-911-19 DIODE SS119 C1504 1-124-480-11 ELECT 20MF 20% 50V B830 8-719-400-18 DIODE MA152WK C1506 1-136-202-11 FILM 0.33MF 5% 63V B838 8-719-400-18 DIODE MA152WK C1506 1-136-202-11 FILM 0.33MF 5% 63V B838 8-719-400-18 DIODE MA152WK C1506 1-136-202-11 FILM 0.33MF 5% 63V B838 8-719-400-18 DIODE MA152WK C1506 1-136-202-11 FILM 0.33MF 5% 63V B838 8-719-400-18 DIODE MA152WK C1506 1-136-202-11 FILM 0.33MF 5% 63V B838 8-719-400-18 DIODE MA152WK C1506 1-134-670-00 ELECT 2.0MF 20% 50V B831 8-719-400-18 DIODE MA152WK C1506 1-134-670-00 ELECT 2.2MF 20% 50V B838 8-719-400-18 DIODE MA152WK C1506 1-134-00-11 ELECT 10MF 20% 50V B838 8-719-400-18 DIODE MA152WK C1501 1-124-907-11 ELECT 10MF 20% 50V B1503 8-719-908-03 DIODE GP08D C1511 1-124-907-11 ELECT 10MF 20% 50V B1503 8-719-908-03 DIODE M152WK C1501 1-124-907-11 ELECT 10MF 20% 50V B1503 8-719-908-03 DIODE M152WK C1501 1-124-907-11 ELECT 10MF 20% 50V B1503 8-719-908-03 DIODE M152WK C1501 1-124-907-11 ELECT 10MF 20% 50V B1503 8-719-908-03 DIODE M152WK C1501 1-124-907-11 ELECT 10MF 20% 50V B1503 8-719-908-03 DIODE M152WK C1501 1-124-907-11 ELECT 10MF 20% 50V B1503 8-719-908-03 DIODE M152WK C1501 1-124-907-11 ELECT 10MF 20% 50V B1503 8-719-908-03 DIODE M152WK C1501 1-124-907-11 ELECT 10MF 20% 50V	C866 1-137-364-91	FILM	0.001MF 0.1MF	5% 5%	50V	D812	8-719-908-03	DIODE GPO8D	
C872 1-124-907-11 ELECT 10MF 20% 50V 10818 8-719-109-93 DIODE RP20G 1-102-038-00 CERAMIC 0.001MF 5% 50V 10818 8-719-109-93 DIODE RD6.2ES-B2 102-038-00 CERAMIC 0.001MF 5% 50V 10818 8-719-109-93 DIODE RD6.2ES-B2 102-038-00 CERAMIC 0.001MF 10% 50V 10826 8-719-982-20 DIODE MTZJ-30B 100E RG902-17 102-228-00 CERAMIC CHIP 0.01MF 10% 50V 102-228-00 CERAMIC CHIP 0.001MF 5% 50V 1010-228-00 CERAMIC CHIP 0.001MF 5% 63V 1010-228-00 CERAMIC CHIP 0.033MF 5% 63V 1010-228-00 CERAMIC CHIP 0.033MF 5% 63V 1010-228-00 CERAMIC CHIP 0.05MF 10% 100V 100V 100V 100V 100V 100V 100V	C870 1-137-364-91				50V	D813 D814	8-719-908-03 8-719-028-29	DIODE GPO8D DIODE RU3OALFS1 DIODE RCP10GPKG3	
C875	C872 1-124-907-11		10MF	20%	50V	D816	8-719-979-85	DIODE EGP20G	
C877 1-164-322-11 CERAMIC CHIP 0.01MF 10% 50V D824 8-719-976-64 DIODE RGP02-17 C879 1-102-228-00 CERAMIC CHIP 0.001MF 5% 50V C1501 1-163-141-00 CERAMIC CHIP 0.001MF 5% 50V C1502 1-124-903-11 ELECT 1MF 20% 50V D826 8-719-400-18 DIODE MA152WK D827 8-719-982-96 DIODE MA152WK D828 8-719-911-19 DIODE MA152WK D828 8-719-911-19 DIODE MA152WK D828 8-719-911-19 DIODE MA152WK D828 8-719-901-19 DIODE MA152WK D828 8-719-400-18 DIODE MA152WK D831 8-719-400-18 DIODE MA152WK D832 8-719-400-18 DIODE MA152WK D833 8-719-400-18 DIODE MA152WK D832 8-719-400-18 DIODE MA152WK D833 8-719-40	C875 1-102-038-00	CERAMIC	0.001MF		500V	D821	8-719-400-18	DIODE MA152WK	
C1501 1-163-141-00	C878 1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	D824	8-719-976-64	DIODE RGP02-17	
C1503 1-163-141-00 CERAMIC CHIP 0.001MF 5% 50V D828 8-719-912-19 D10DE M123-1-77-2.2A D1052 M1-124-480-11 ELECT 470MF 20% 25V D830 8-719-400-18 D10DE M152WK D831 8-719-400-18 D10DE M152WK D832 8-719-400-18 D10DE M152WK D833 8-719-400-18 D10DE M152WK D1501 8-719-908-03 D10DE M152WK D1501 8-719-	C1501 1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V	D826	8-719-400-18	DIODE MA152WK	
C1505 1-124-911-11 ELECT 220MF 20% 50V C1506 1-136-202-11 FILM 0.33MF 5% 63V C1507 1-106-224-00 MYLAR 0.15MF 10% 100V C1508 1-124-480-11 ELECT 470MF 20% 25V C1509 1-124-767-00 ELECT 2.2MF 20% 50V C1511 1-124-907-11 ELECT 10MF 20% 50V C1512 1-124-006-11 ELECT 10MF 20% 50V C1513 1-163-113-00 CERAMIC CHIP 68PF 5% 50V C1514 1-164-004-11 CERAMIC CHIP 68PF 5% 50V C1515 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1515 1-164-004-11 CERAMIC CHI	C1503 1-163-141-00	CERAMIC CHIP		5%		D828	8-719-911-19	DIODE 1SS119	
C1507 1-106-224-00 MYLAR 0.15MF 10% 100V C1508 1-124-480-11 ELECT 470MF 20% 25V C1509 1-124-767-00 ELECT 2.2MF 20% 50V C1511 1-124-907-11 ELECT 10MF 20% 50V C1512 1-124-006-11 ELECT 10MF 20% 25V C1513 1-163-113-00 CERAMIC CHIP 68PF 5% 50V C1514 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1515 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1515 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1516 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1517 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1518 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1519 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1510 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1511 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1512 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1513 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1514 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1515 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1516 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1517 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1518 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1519 1-164	C1505 1-124-911-11	ELECT	220MF	20%	507	D831	8-719-400-18	DIODE MA152WK	
C1509 1-124-767-00 ELECT 2.2MF 20% 50V D1503 8-719-908-03 D10DE GP08D C1511 1-124-907-11 ELECT 10MF 20% 50V D1504 8-719-982-03 D10DE MTZJ-3.6A C1512 1-124-006-11 ELECT 10MF 20% 25V C1513 1-163-113-00 CERAMIC CHIP 68PF 5% 50V C1514 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1515 1-164-004-11 CERAMIC	C1507 1-106-224-00		0.15MF	10%	100V	D833		DIODE MA152WK	
C1512 1-124-006-11 ELECT 10MF 20% 25V C1513 1-163-113-00 CERAMIC CHIP 68PF 5% 50V <ic> C1514 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1515 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V IC601 8-759-073-29 IC TDA4605-3 C1515 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V IC602 8-759-908-15 IC TL431CLP-720</ic>	C1509 1-124-767-00	ELECT	2.2MF	20%	50V	D1503	8-719-908-03	DIODE GPO8D	
C1514 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V C1515 1-164-004-11 CERAMIC CHIP 0.1MF 10% 25V IC601 8-759-073-29 IC TDA4605-3	C1511 1-124-907-11 C1512 1-124-006-11 C1513 1-163-113-00	ELECT	10MF	20%	25V				
11602 8-759-908-15 IC TL431CLP-720	C1514 1-164-004-11	CERAMIC CHIE	0.1MF			ICEOT			
	L1515 1-164-004-11	tenamit UHII	U. IMF	10%	4J¶	1.0603	8-759-908-15	IC TL431CLP-720	

SONY. SERVICE MANUAL

AE-2 CHASSIS

MODEL

COMMANDER

CHASSIS NO.

MODEL

COMMANDER

DEST. CH

CHASSIS NO.

KV-S3411A

RM-832

Italian

SCC-F18K-A

KV-S3413E

RM-832

Spanish SCC-F33K-A

KV-S3411B

KV-S3411D

RM-832

RM-832

French

AEP

SCC-F32K-A

SCC-F26K-A

KV-S3412U

RM-832

UK S

SCC-F25J-A

CORRECTION-1

SUBJECT: CORRECTED CIRCUIT DIAGRAM

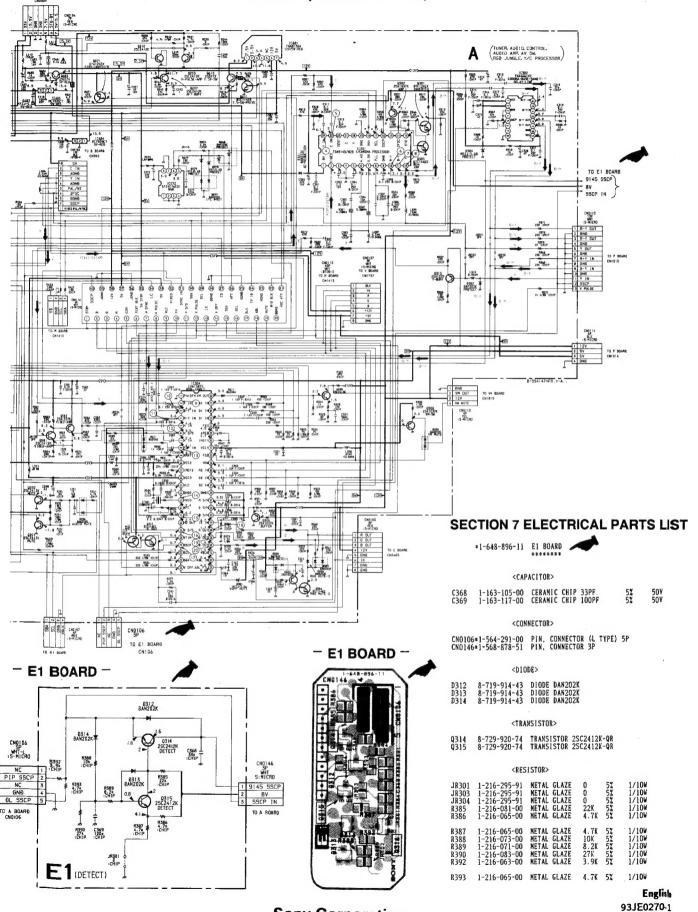
File this correction with the service manual.



A BOARD -

SECTION 5 DIAGRAMS

5-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS E1 BOARD (KV-S3411B only)



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The components identified by shading and mark A are critical for safety.
Replace only with part number specified.

10 m

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



	REF.NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION				REMARK
	I C802 I C803	8-759-987-16 8-759-987-16 8-759-081-31 8-759-506-46	IC LM393P IC LM393P IC MC78L12ACE IC TDA8179S	PRP			JR006 JR500 JR501	1-216-295-00 1-216-295-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0	5% 5% 5%	1/10W 1/10W 1/8W 1/8W	
		<01	L>				JR503	1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE	0	5% 5% 5%	1/8W 1/8W	
	L602 L603 L604 L605 L606	1-410-396-41 1-459-442-00 1-459-442-00	FERRITE BEAD FERRITE BEAD COIL (WITH CO	INDUCTOR INDUCTOR INDUCTOR DRE) DRE)			JR504 JR505 JR506. JR507 JR508	1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00 1-216-296-00	METAL GLAZE METAL GLAZE METAL GLAZE	0 0 0 0	5% 5% 5% 5% 5%	1/8W 1/8W 1/8W 1/8W 1/8W	
	L610 L622 L623 L802 L803	1-410-397-21 1-412-533-21 1-412-533-21 1-408-947-00 1-420-872-00	FERRITE BEAD INDUCTOR INDUCTOR INDUCTOR COIL, AIR CO	INDUCTOR 47UH 47UH 2.2MMH RE			JR509 JR510 JR511 R601 R602	1-216-296-00 1-216-296-00 1-216-296-00 1-216-353-00 1-216-065-00	METAL GLAZE	0 0 0 2.2 4.7K	5% 5% 5% 5%	1/8W 1/8W 1/8W 1W 1/10W	F
	L804 807 J08 L809 L810	1-410-396-41 1-459-483-00 1-421-541-00 1-459-104-00 1-460-197-21	FERRITE BEAD COIL (WITH COIL, CHOKE I COIL, WITH COIL, FERRITE	INDUCTOR DRE) LOOOUH DRE (PMC)			R603 R604 R605 R606 R607	1-215-901-00 1-260-200-11 1-216-313-00 1-216-033-00 1-216-061-00	METAL OXIDE CARBON METAL GLAZE METAL GLAZE METAL GLAZE	33K 240K 8.2 220 3.3K	5% 5% 5% 5%	2W 1/2W 1/10W 1/10W 1/10W	F
	L811 L812 L813 L817 L1501	1-412-519-11 1-412-531-31 1-412-519-11 1-423-374-11 1-412-525-21	INDUCTOR INDUCTOR INDUCTOR TRANSFORMER, INDUCTOR	3.3UH 33UH 3.3UH LINEARITY 10UH	(HLT)		R608 R609 R610 R611 R612	1-215-928-11 1-216-005-00 1-247-881-00 1-249-405-11 1-247-894-11	METAL OXIDE METAL GLAZE CARBON CARBON CARBON	68K 15 120K 100 430K	5% 5% 5% 5%	3W 1/10W 1/4W 1/4W 1/4W	F
		1-412-525-21 <10	LINK>	10UH 10UH			R613 R614 R615 R617 R618	1-216-260-00 1-216-488-11 1-216-488-11 1-216-033-00 1-216-449-11	METAL GLAZE METAL OXIDE METAL GLAZE METAL OXIDE	390K 18K 18K 220 56	5% 5% 5% 5%	3W 1/10W	F F
	PS601A PS602A PS603A PS604A	\$ 1-532-686-91 \$ 1-532-686-91 \$ 1-532-686-91 \$ 1-532-686-91	LINK, IC 2.7/ LINK, IC 2.7/ LINK, IC 2.7/ LINK, IC 2.7/				R620 R621 R622 R623 R625	1-216-045-00 1-216-659-11 1-216-041-00 1-216-073-00 1-216-449-11	METAL GLAZE METAL CHIP METAL GLAZE METAL GLAZE METAL OXIDE	680 2.2K 470 10K 56	5% 0.50% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 2W	F
		<tra< td=""><td>NSISTOR></td><td></td><td></td><td></td><td>R626 R627</td><td>1-216-635-11 1-249-398-11</td><td>METAL CHIP CARBON</td><td>220 27</td><td>0.50% 5%</td><td>1/10W 1/4W</td><td>F</td></tra<>	NSISTOR>				R626 R627	1-216-635-11 1-249-398-11	METAL CHIP CARBON	220 27	0.50% 5%	1/10W 1/4W	F
	Q601 Q602 Q603 Q611	<pre><trai 8-729-016-14="" 8-729-119-78="" 8-729-177-22="" 8-729-900-53="" 8-729-903-29<="" pre=""></trai></pre>	TRANSISTOR BUTRANSISTOR 25 TRANSISTOR DT TRANSISTOR 25	Z91A-E315 B772-Q C114EK C2785-HFE	5		R629 R630 R631	1-216-635-11 1-249-398-11 1-215-460-00 1-260-100-11 1-216-397-11	METAL CARBON METAL OXIDE	27 43K 1.2K 4.7	1% 5% 5%	1/4W 1/2W	F
-, -	Q613 Q801 Q802 Q804		TRANSISTOR DT TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	A1162-G C4927-01 B734-34			R633 R634 R635 R636 R637	1-249-415-11 1-215-477-00 1-216-073-00 1-216-453-00 1-216-113-00	CARBON METAL METAL GLAZE METAL OXIDE METAL GLAZE	680 220K 10K 270 470K	5% 5% 5% 5%	1/4W 1/4W 1/10W 2W 1/10W	F
	Q805 Q806 Q807 Q812 Q813	8-729-216-22 8-729-019-71 8-729-119-80 8-729-901-81 8-729-140-96	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	K1916-53- C2688-LK C2412K-T-			R638 R639 R640 R645 R646	1-216-073-00 1-216-089-00 1-207-905-00 1-214-775-00 1-216-097-00	METAL GLAZE METAL GLAZE WIREWOUND METAL METAL GLAZE	10K 47K 0.27 82K 100K	5% 5% 10% 1% 5%	1/10W 1/10W 2W 1/4W 1/10W	F
	Q818 Q1501 Q1502 Q1503 Q1504	8-729-216-22 8-729-901-81 8-729-901-01	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR DT TRANSISTOR 2S TRANSISTOR DT	A1162-G C2412K-T- C144EK A1162-G	146-R		R801	1-216-059-00 1-216-069-00 1-216-071-00 1-216-295-00 1-217-778-11	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE FUSIBLE	2.7K 6.8K 8.2K 0 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	F
			STOR>				R806	1-216-679-11 1-216-061-00 1-216-037-00	METAL CHIP METAL GLAZE METAL GLAZE	15K 3.3K 330	0.50% 5%	1/10W 1/10W 1/10W	
	JR001 JR002		METAL GLAZE METAL GLAZE	0 5% 0 5%	1/10W 1/10W		R808	1-216-085-00	METAL GLAZE METAL GLAZE	33K 100K	5% 5% 5%	1/10W 1/10W 1/10W	
		1-216-295-00	METAL GLAZE METAL GLAZE	0 5% 0 5%	1/10W 1/10W 1/10W		R811 R812	1-216-033-00 1-216-061-00	METAL GLAZE METAL GLAZE	220 3.3K	5% 5%	1/10W 1/10W	



Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie. The components identified by shading and mark A are critical for safety.

Replace only with part number

specified.

REF.NO.	PART NO.	DESCRIPTION				REMARK	REF.NO. PART NO. DESCRIPTION REMARK
R814 R815 R819	1-216-065-00 1-216-091-00 1-216-081-00 1-247-755-11 1-216-097-00	METAL GLAZE METAL GLAZE CARBON	4.7K 56K 22K 1.8K 100K	5% 5%	1/10W 1/10W 1/10W 1/2W 1/10W	F	R1550 1-216-105-00 METAL GLAZE 220K 5% 1/10W R1551 1-216-065-00 METAL GLAZE 4.7K 5% 1/10W R1552 1-216-105-00 METAL GLAZE 220K 5% 1/10W
R823 R824	1-216-481-11 1-216-481-11 1-216-065-00 1-216-673-11 1-216-342-11	METAL GLAZE METAL CHIP	1.2K 1.2K 4.7K 8.2K 0.27	57	3W 3W 1/10W 1/10W 1W		<pre><variable resistor=""> RV601 1-241-628-11 RES, ADJ, CARBON 2.2K </variable></pre> <pre><transformer></transformer></pre>
R826 R828 R829 R830 R832	1-216-166-00 1-216-121-00 1-249-429-11 1-216-687-11 1-216-089-00	METAL GLAZE METAL GLAZE CARBON METAL CHIP METAL GLAZE	47 1 M 1 O K 3 3 K 4 7 K	5% 5% 5% 0.50% 5%	1/8W 1/10W 1/4W 1/10W 1/10W	F	T601 & 1-697-001-11 S.R.T (SMT89) T801 & 1-453-126-11 TRANSFORMER ASSY, FLYBACK (NX-3000A3) T803 1-437-090-00 HDT T804 1-424-584-11 TRANSFORMER, DYNAMIC FOCUS
R833 R834 R835 R836 R837	1-216-105-00 1-216-101-00 1-216-057-00 1-216-242-00 1-216-695-11	METAL GLAZE	220K 150K 2.2K 68K 68K	5% 5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/8W 1/10W		MISCELLANEOUS ***********************************
R838 R839 R841 R842 R846	1-216-097-00 1-216-061-00 1-249-397-11 1-216-454-11 1-216-671-11	METAL GLAZE METAL GLAZE CARBON METAL OXIDE METAL CHIP	100K 3.3K 22 390 6.8K	5% 5% 5% 5% 0.50%	1/10W 1/10W 1/4W 2W 1/10W	F F	Δ 1-406-701-11 COIL, DEMAGNETIZATION Δ 1-406-702-11 COIL, DEMAGNETIZATION Δ 1-451-393-11 DEFLECTION YOKE (Y34EXA) 1-452-032-00 MAGNET, DISK; 10MM φ 1-452-094-00 MAGNET, ROTATABLE DISK; 15MM φ Δ 1-452-616-13 NECK ASSY, PICTURE TUBE (NA323)
R847 R848 R849 R851 R852	1-216-097-00 1-215-885-00 1-215-881-11 1-247-743-11 1-249-389-11	METAL OXIDE METAL OXIDE	100K 68 15 220 4.7	5% 5% 5% 5%	1/10W 2W 2W 1/2W 1/4W	F F	1-504-121-21 SPEAKER (SQUAWKER) (5CM) 1-504-145-11 SPEAKER (12CM) A 1-590-501-11 CORD, POWER (WITH NOISE FILTER) (KV-S3411A, S3411B, S3411D, S3413E) A 1-590-762-11 CORD, POWER (WITH PLUG) (KV-S3412U)
R853 R854 R855 R858 R864	1-249-443-11 1-249-443-11 1-202-826-00 1-249-423-11 1-216-687-11	SOLID CARBON	0.47 0.47 4.7K 3.3K 33K	20% 5%	1/4W 1/4W 1/2W 1/4W 1/10W	F	V901 & 8-733-731-05 PICTURE TUBE (M81KVA10X) ACCESSORIES AND PACKING MATERIALS
R865 R866 R867 R868 R871	1-215-493-00 1-216-687-11 1-216-113-00 1-249-428-11 1-249-493-11	METAL CHIP METAL GLAZE CARBON	1M 33K 470K 8.2K 56K	1% 0.50% 5% 5% 5%	1/10W 1/10W 1/4W 1/2W		######################################
R872 R873 R876 R877 R884	1-249-393-11 1-249-393-11 1-249-421-11 1-215-907-11 1-216-697-11	CARBON CARBON METAL OXIDE	10 10 2.2K 22 82K	5%	1/4W 1/4W 1/4W 3W 1/10W		4-202-091-71 MANUAL, INSTRUCTION (KV-S3413E) 4-202-091-82 MANUAL, INSTRUCTION (KV-S3413E) 4-202-137-01 DOOR, REAR *4-202-248-01 BAG, PROTECTION *4-202-271-01 CUSHION (UPPER) (ASSY)
R889 R891 R893 R894 R895	1-216-089-00 1-216-025-00 1-215-878-00 1-216-264-00 1-216-079-00	METAL GLAZE METAL GLAZE METAL OXIDE METAL GLAZE METAL GLAZE	47K 100 33K 560K 18K	5% 5% 5% 5% 5%	1/10W 1/10W 1W 1/8W 1/10W	F	*4-202-272-01 CUSHION (LOWER) (ASSY) *4-202-273-01 TRAY *4-202-274-01 INDIVIDUAL CARTON *4-202-279-01 PALLET *4-396-077-01 JOINT
R1502	1-216-089-00 1-216-262-00 1-216-674-11 1-216-663-11 1-216-065-00	METAL GLAZE METAL GLAZE METAL CHIP METAL CHIP METAL GLAZE	47K 470K 9.1K 3.3K 4.7K	0.50%	1/10W 1/8W 1/10W 1/10W 1/10W		REMOTE COMMANDER 1-466-804-11 REMOTE COMMANDER (RM-832) 9-903-466-01 COVER, POCKET (FOR RM-832)
R1505 R1506 R1508	1-216-081-00 1-216-081-00 1-216-057-00 1-216-683-11 1-216-085-00	METAL GLAZE METAL GLAZE METAL CHIP	22K 22K 2.2K 22K 33K	5% 5% 5% 0.50% 5%	1/10W 1/10W 1/10W 1/10W 1/10W		
R1511 R1512	1-249-382-11 1-215-888-00 1-216-370-11 1-216-049-00	CARBON METAL OXIDE METAL OXIDE METAL GLAZE	1.2 220 1.2 1K	5% 5% 5% 5%	1/4W 2W 2W 1/10W	F F	

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